

Converting Colors

XYZ(80.8971, 88.9937,
106.6818)

Have a look what the booklet for
XYZ(80.8971, 88.9937, 106.6818)
contains.

XYZ(80.9690, 89.0494, 106.6867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.9690, 89.0494,
106.6867)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF7FE
RGB	221, 247, 254
RGB Percent	87%, 97%, 100%
CMY	0.1333, 0.0314, 0.0039
CMYK	0.13, 0.03, 0.00, 0.00
HSL	193°, 94%, 93%
HSV	193°, 13%, 100%
XYZ	80.9690, 89.0494, 106.6867
YIQ	240.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

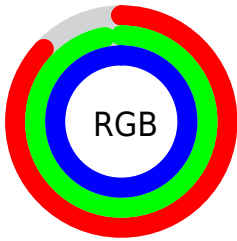
Format	Color
R _Y B	221, 236, 254
Decimal	14546942
CIE Lab	95.60, -7.06, -6.23
CIE LCh	96, 9.413, 221.448
Yxy	89.0494, 0.2926, 0.3218
Android (android.graphics.Color)	4292737022 (0xFFDDDF7FE)
YUV	240.0240, 6.8902, -16.6840
Hunter-Lab	94.3660, -11.9818, -0.9749

Details

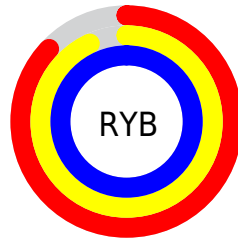
The XYZ color **80.9690, 89.0494, 106.6867** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6683, 81.7781, 79.8888**, and the grayscale version is **82.8031, 87.1153, 94.8686**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4347, 49.3998, 60.0165** is the 20% darker color. If you saturate the color by 10%, you get **72.1904, 82.1165, 105.8126**, and if you desaturate by 10%, it is **90.9703, 96.6880, 107.6354**.

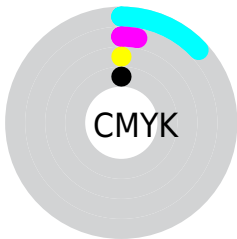
Distribution



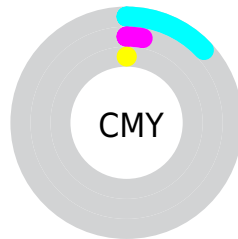
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9690, 89.0494, 106.6867 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.9690, 89.0494, 106.6867 by changing the saturation by 10% instead.

80.9690, 89.0494,
106.6867

80.9690, 89.0494,
106.6867

486.8794,
524.9337, 602.8535

60.8273, 67.1925,
81.2486

133.6706,
146.0173, 172.4480

44.3378, 49.2411,
60.2142

166.9612,
181.8970, 213.6084

31.1352, 34.8108,
43.1649

205.3655,
223.2198, 260.8465

20.8542, 23.5171,
29.6821

249.2488,
270.3701, 314.5810

13.1293, 14.9758,
19.3474

298.9765,
323.7322, 375.2304

7.5953, 8.8024,
11.7422

354.9139,

3.8867, 4.6125,

383.6906, 443.2133

6.4480

417.4264,
450.6296, 518.9481

■ 1.6382, 2.0218,
3.0462

■ 0.4171, 0.6201,
1.1183

■ 80.9690, 89.0494,
106.6867

■ 80.9690, 89.0494,
106.6867

■ 72.1904, 82.1165,
105.8126

■ 90.9703, 96.6880,
107.6354

■ 64.5740, 75.8504,
105.0046

94.8897, 99.9359,
108.0557

■ 58.0655, 70.2249,
104.2618

■ 52.6034, 65.2077,
103.5812

■ 48.1196, 60.7631,
102.9596

■ 44.5380, 56.8511,
102.3933

■ 41.7703, 53.4257,
101.8780

■ 39.7097, 50.4312,
101.4086

■ 38.5782, 48.5328,
101.1019

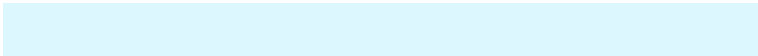
Harmonies

Analogous

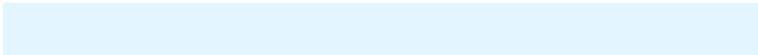
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8620, 89.0494, 99.8112



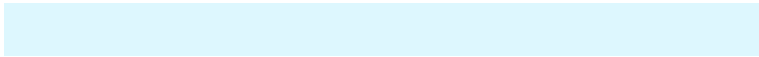
80.9690, 89.0494, 106.6867



83.0678, 89.0494, 111.0846

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9690, 89.0494, 106.6867



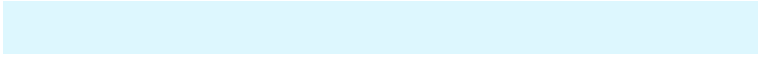
89.4369, 89.0494, 101.5578



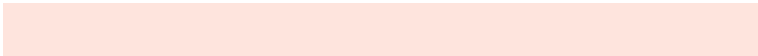
83.6565, 89.0494, 83.6715

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



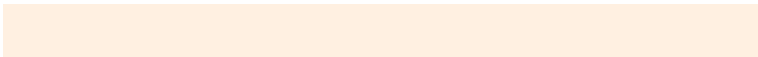
80.9690, 89.0494, 106.6867



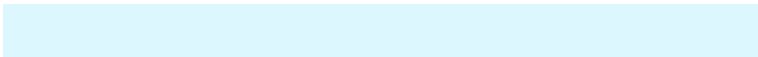
81.6683, 81.7781, 79.8888

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2295, 89.0494, 84.0859



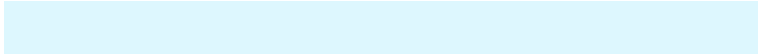
80.9690, 89.0494, 106.6867



89.6023, 89.0494, 94.1629

Square

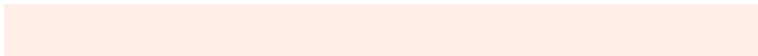
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9690, 89.0494, 106.6867



87.9703, 89.0494, 108.0212



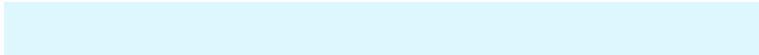
88.4178, 89.0494, 87.8426



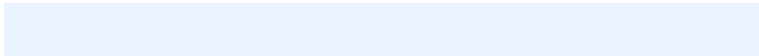
81.3924, 89.0494, 86.6803

Rectangle

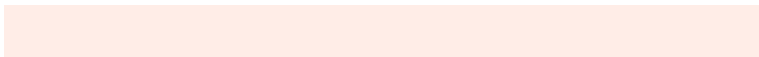
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



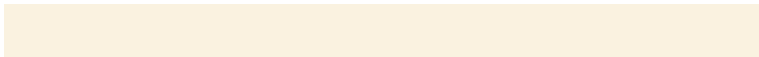
80.9690, 89.0494, 106.6867



84.7644, 89.0494, 111.8912



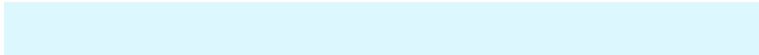
88.4178, 89.0494, 87.8426



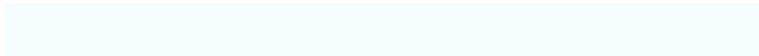
84.5133, 89.0494, 83.4193

Sweetspot

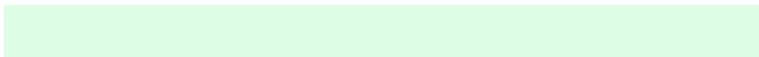
The Sweet Spot groups the original color and five complimentary colors.



80.9716, 89.0531, 106.6887



90.7104, 96.7444, 108.5003



79.2104, 91.8366, 86.6611



19.2460, 20.5790, 23.2077



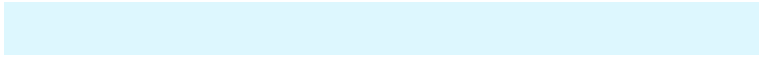
0.0000, 0.0000, 0.0000



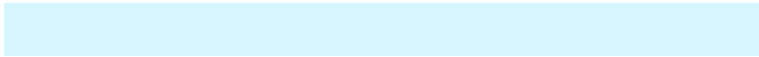
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9716, 89.0531, 106.6887



78.9021, 87.6706, 107.3713



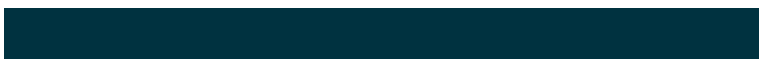
76.2578, 79.6256, 105.1174



18.2087, 19.7891, 23.1099



20.4500, 25.8096, 53.3385



2.0689, 2.6686, 5.2193

Inverse Universe

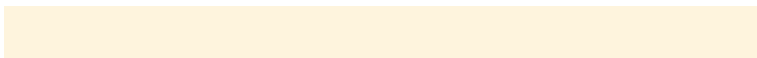
The Inverse Universe completely reimagines the original color for something new.



83.5201, 79.5011, 98.9431



82.0255, 76.1297, 97.8416



86.3065, 91.0545, 81.4348



18.6180, 18.2305, 21.8716



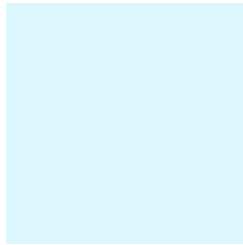
27.1104, 13.3335, 30.2956



2.6789, 1.3139, 3.1565

Previews

White Background



This preview shows how the XYZ color 80.9690, 89.0494, 106.6867 looks on a white background.

Color Contrast Check

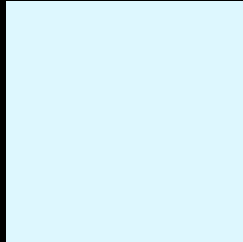
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.9690, 89.0494, 106.6867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

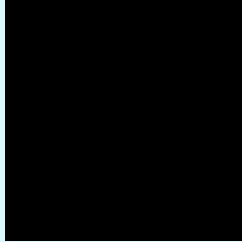
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9690, 89.0494, 106.6867

Background



This preview shows how black text looks on a background with the XYZ color 80.9690, 89.0494, 106.6867.



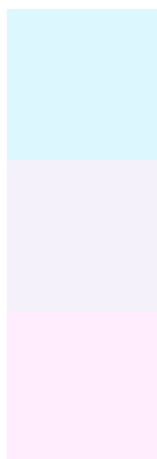
This preview shows how white text looks on a background with the XYZ color 80.9690, 89.0494,

106.6867.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.9690, 89.0494, 106.6867

Protanopia

86.0188, 89.0458, 103.0964

Deuteranopia

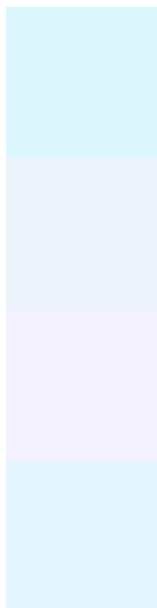
89.2538, 88.9202, 105.3876



Tritanopia

83.6794, 89.0772, 107.3910

Trichromacy



Original Color

80.9690, 89.0494, 106.6867

Protanomaly

84.0553, 88.8991, 103.9958

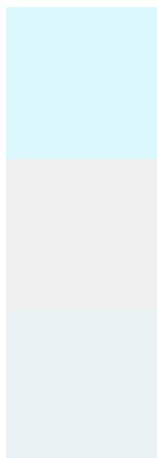
Deuteranomaly

86.1471, 89.0571, 105.5778

Tritanomaly

82.6973, 89.0188, 107.4315

Monochromacy



Original Color

80.9690, 89.0494, 106.6867

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1363, 88.0174, 99.0462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9690, 89.0494, 106.6867 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(221, 247, 254)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 247, 254) }
```

Border

The CSS property to change the border of an element to XYZ 80.9690, 89.0494, 106.6867 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 247, 254) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 247, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(221, 247,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9690, 89.0494, 106.6867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 247, 254) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
247, 254) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor