

Converting Colors

XYZ(80.5805, 88.7801,
107.4970)

Have a look what the booklet for
XYZ(80.5805, 88.7801, 107.4970)
contains.

XYZ(80.5242, 88.8016, 107.5041)	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(80.5242, 88.8016,
107.5041)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF7FF
RGB	219, 247, 255
RGB Percent	86%, 97%, 100%
CMY	0.1412, 0.0314, 0.0000
CMYK	0.14, 0.03, 0.00, 0.00
HSL	193°, 100%, 93%
HSV	193°, 14%, 100%
XYZ	80.5242, 88.8016, 107.5041
YIQ	239.5400, -19.2560, -3.4480

Conversions

Conversions Part 2

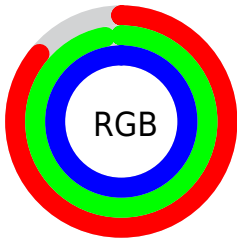
Format	Color
R _{YB}	219, 235, 255
Decimal	14415871
CIE Lab	95.50, -7.48, -6.92
CIE LCh	95, 10.185, 222.760
Yxy	88.8016, 0.2909, 0.3208
Android (android.graphics.Color)	4292605951 (0xFFDBF7FF)
YUV	239.5400, 7.6218, -18.0136
Hunter-Lab	94.2346, -12.3809, -1.6746

Details

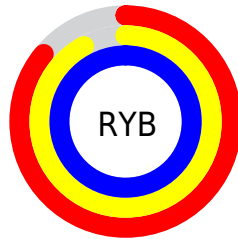
The XYZ color **80.5242, 88.8016, 107.5041** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.4948, 81.3112, 78.4189**, and the grayscale version is **82.4201, 86.7124, 94.4298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1337, 49.2313, 60.6026** is the 20% darker color. If you saturate the color by 10%, you get **71.7272, 81.7368, 106.6041**, and if you desaturate by 10%, it is **90.5536, 96.5846, 108.4777**.

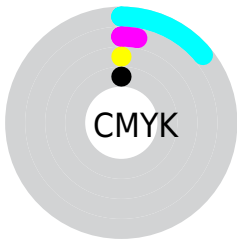
Distribution



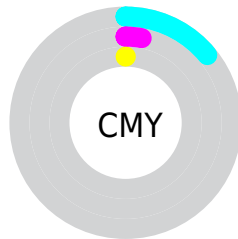
- Red (86%)
- Green (97%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5242, 88.8016, 107.5041 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 80.5242, 88.8016, 107.5041 by changing the saturation by 10% instead.

80.5242, 88.8016,
107.5041

80.5242, 88.8016,
107.5041

485.4073,
524.1248, 605.4438

60.4598, 66.9871,
81.9304

133.0491,
145.6726, 173.5734

44.0402, 49.0742,
60.7727

166.2403,
181.4980, 214.9062

30.9002, 34.6783,
43.6124

204.5379,
222.7624, 262.3290

20.6743, 23.4152,
30.0310

248.3070,
269.8504, 316.2605

12.9972, 14.9004,
19.6098

297.9132,
323.1462, 377.1192

7.5036, 8.7495,
11.9305

353.7217,

3.8281, 4.5782,

383.0342, 445.3236

6.5744

416.0980,
449.8990, 521.2923

■ 1.6054, 2.0019,
3.1230

■ 0.3959, 0.6086,
1.1578

■ 80.5242, 88.8016,
107.5041

■ 80.5242, 88.8016,
107.5041

■ 71.7272, 81.7368,
106.6041

■ 90.5536, 96.5846,
108.4777

■ 64.1020, 75.3511,
105.7734

95.0500, 100.0000,
108.9000

■ 57.5928, 69.6174,
105.0098

■ 52.1368, 64.5027,
104.3101

■ 47.6644, 59.9704,
103.6710

■ 44.0975, 55.9795,
103.0887

■ 41.3453, 52.4824,
102.5587

■ 39.2969, 49.4213,
102.0758

■ 38.3280, 47.7760,
101.8093

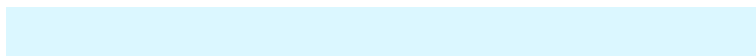
Harmonies

Analogous

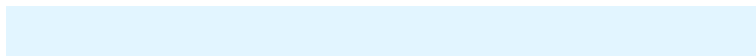
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2768, 88.8016, 100.1242



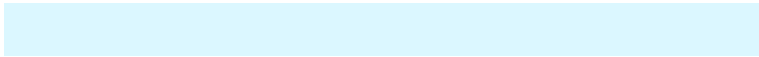
80.5242, 88.8016, 107.5041



82.8227, 88.8016, 112.1236

Triad

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



80.5242, 88.8016, 107.5041



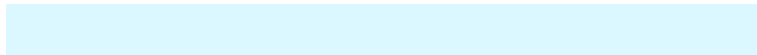
89.6330, 88.8016, 101.3168



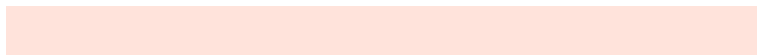
83.2235, 88.8016, 82.4617

Complementary

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



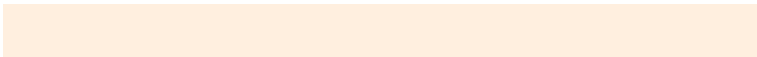
80.5242, 88.8016, 107.5041



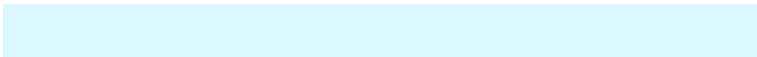
81.4948, 81.3112, 78.4189

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.



86.0038, 88.8016, 82.7416



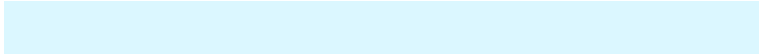
80.5242, 88.8016, 107.5041



89.7461, 88.8016, 93.3350

Square

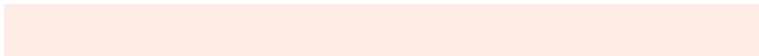
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5242, 88.8016, 107.5041



88.0993, 88.8016, 108.4185



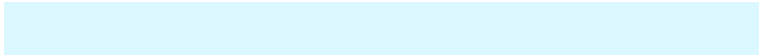
88.4049, 88.8016, 86.6263



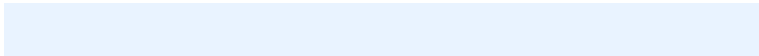
80.8120, 88.8016, 85.8391

Rectangle

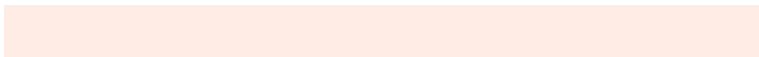
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



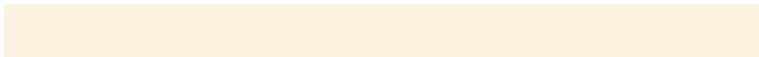
80.5242, 88.8016, 107.5041



84.6619, 88.8016, 112.8677



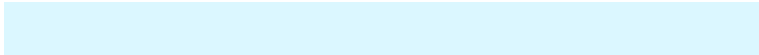
88.4049, 88.8016, 86.6263



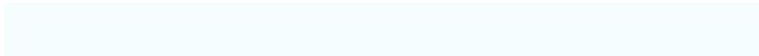
84.1451, 88.8016, 82.1368

Sweetspot

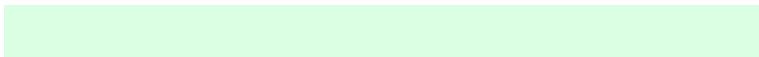
The Sweet Spot groups the original color and five complimentary colors.



80.5265, 88.8052, 107.5047



90.6780, 96.6797, 108.4895



78.8119, 92.1156, 86.1560



19.2378, 20.5626, 23.2050



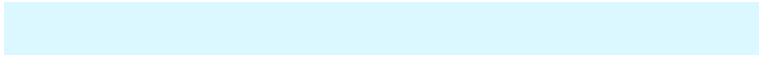
0.0000, 0.0000, 0.0000



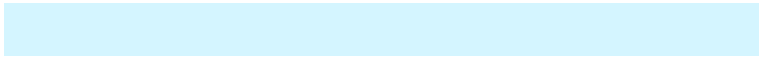
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5265, 88.8052, 107.5047



77.8657, 86.6954, 107.2377



75.3393, 78.4308, 105.7756



18.1925, 19.7567, 23.1045



20.1434, 25.1963, 53.2363



2.0415, 2.6138, 5.2102

Inverse Universe

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



83.3615, 78.6400, 98.7853



81.2344, 74.7875, 96.8384



86.6186, 91.5589, 80.1269



18.6098, 18.2272, 21.8285



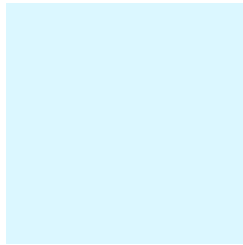
26.9556, 13.2716, 29.4806



2.6651, 1.3084, 3.0837

Previews

White Background



This preview shows how the XYZ color 80.5242, 88.8016, 107.5041 looks on a white background.

Color Contrast Check

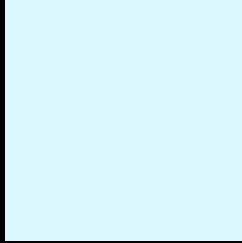
Large Text (above 18pt) WCAG AA × Fail

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 80.5242, 88.8016, 107.5041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

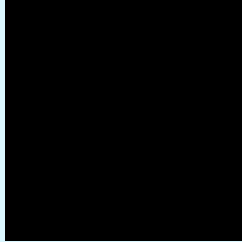
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5242, 88.8016, 107.5041

Background



This preview shows how black text looks on a background with the XYZ color 80.5242, 88.8016, 107.5041.

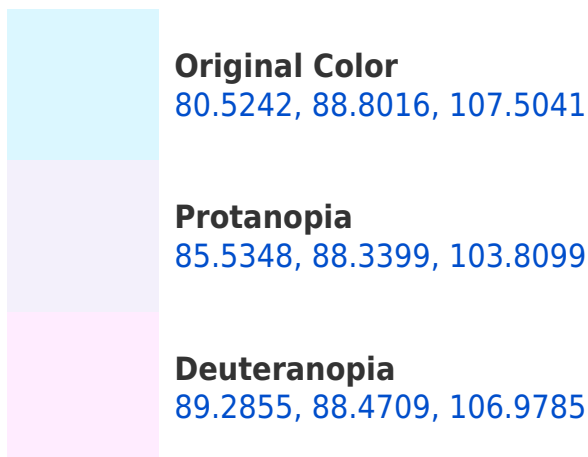


This preview shows how white text looks on a background with the XYZ color 80.5242, 88.8016,

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





Tritanopia

83.0338, 88.7444, 107.3608

Trichromacy



Original Color

80.5242, 88.8016, 107.5041

Protanomaly

83.5530, 88.6219, 104.7975

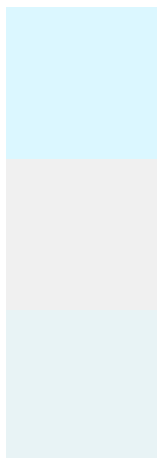
Deuteranomaly

85.8280, 88.4174, 107.1504

Tritanomaly

82.0664, 88.6936, 107.4019

Monochromacy



Original Color

80.5242, 88.8016, 107.5041

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8107, 87.8496, 99.0310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5242, 88.8016, 107.5041 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(219, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 247, 255)  
}
```

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(219, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5242, 88.8016, 107.5041 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(219, 247, 255) }
```


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

```
.border{ border-color:rgb(219, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5242, 88.8016, 107.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 247, 255) }
```

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

```
.background{ background-color: rgb(219,  
247, 255) }
```

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