

Converting Colors

XYZ(80.1118, 90.5720,
105.8620)

Have a look what the booklet for
XYZ(80.1118, 90.5720, 105.8620)
contains.

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Color

**XYZ(80.2511, 90.5333,
106.1735)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FBFD
RGB	215, 251, 253
RGB Percent	84%, 98%, 99%
CMY	0.1569, 0.0157, 0.0078
CMYK	0.15, 0.01, 0.00, 0.01
HSL	183°, 90%, 92%
HSV	183°, 15%, 99%
XYZ	80.2511, 90.5333, 106.1735
YIQ	240.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

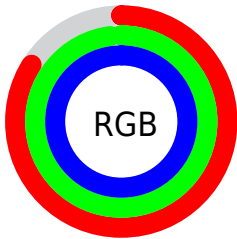
Format	Color
R _Y B	215, 233, 253
Decimal	14154749
CIE Lab	96.22, -11.12, -4.85
CIE LCh	96, 12.129, 203.563
Yxy	90.5333, 0.2898, 0.3269
Android (android.graphics.Color)	4292344829 (0xFFD7FBFD)
YUV	240.4640, 6.1802, -22.3319
Hunter-Lab	95.1490, -15.9592, 0.4446

Details

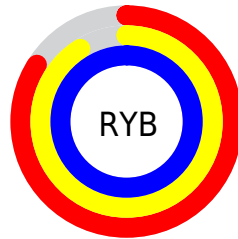
The XYZ color **80.2511, 90.5333, 106.1735** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5872, 75.4144, 74.7586**, and the grayscale version is **83.1556, 87.4862, 95.2724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7528, 50.0427, 59.5777** is the 20% darker color. If you saturate the color by 10%, you get **72.9758, 86.1709, 105.7164**, and if you desaturate by 10%, it is **88.6834, 95.5013, 106.6894**.

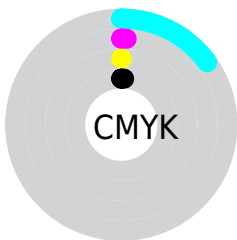
Distribution



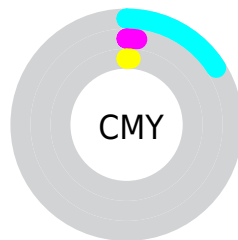
- Red (84%)
- Green (98%)
- Blue (99%)



- Red (84%)
- Yellow (91%)
- Blue (99%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)



- Cyan (16%)
- Magenta (2%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2511, 90.5333, 106.1735 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 80.2511, 90.5333, 106.1735 by changing the saturation by 10% instead.

80.2511, 90.5333,
106.1735

80.2511, 90.5333,
106.1735

484.5023,
529.7641, 601.2242

60.2342, 68.4230,
80.8207

132.6674,
148.0789, 171.7410

43.8576, 50.2420,
59.8638

165.7974,
184.2831, 212.7928

30.7560, 35.6057,
42.8843

204.0293,
225.9541, 259.9147

20.5640, 24.1298,
29.4636

247.7282,
273.4762, 313.5252

12.9163, 15.4300,
19.1832

297.2597,
327.2339, 374.0429

7.4476, 9.1217,
11.6246

352.9889,

3.7924, 4.8206,

387.6115, 441.8862

6.3692

415.2813,
454.9934, 517.4738

■ 1.5853, 2.1424,
2.9984

■ 0.3828, 0.6883,
1.0938

■ 80.2511, 90.5333,
106.1735

■ 80.2511, 90.5333,
106.1735

■ 72.9758, 86.1709,
105.7164

■ 88.6834, 95.5013,
106.6894

■ 66.7970, 82.3756,
105.3095

■ 94.3051, 99.0223,
107.0728

■ 61.6605, 79.1220,
104.9522

■ 94.7277, 99.8675,
107.2136

■ 57.5046, 76.3782,
104.6416

■ 94.7299, 99.8720,
107.2144

■ 54.2609, 74.1090,
104.3746

■ 51.8523, 72.2745,
104.1474

■ 50.1887, 70.8285,
103.9560

■ 49.1597, 69.7137,
103.7951

■ 48.8046, 69.2413,
103.7226

Harmonies

Analogous

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



79.7758, 90.5333, 96.5115



80.2511, 90.5333, 106.1735



82.2615, 90.5333, 114.2546

Triad

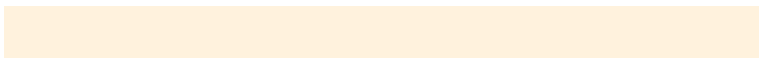
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2511, 90.5333, 106.1735



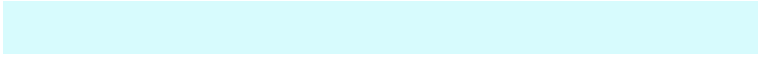
91.3626, 90.5333, 110.0013



86.7770, 90.5333, 81.2774

Complementary

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



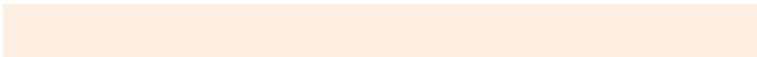
80.2511, 90.5333, 106.1735



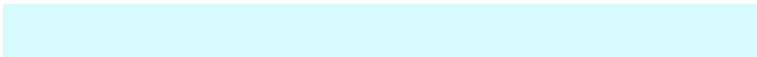
77.5872, 75.4144, 74.7586

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.



89.9514, 90.5333, 84.4005



80.2511, 90.5333, 106.1735



92.6431, 90.5333, 100.6685

Square

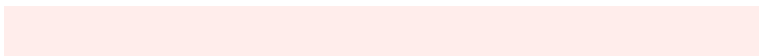
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2511, 90.5333, 106.1735



88.6629, 90.5333, 116.5634



92.1200, 90.5333, 91.3487



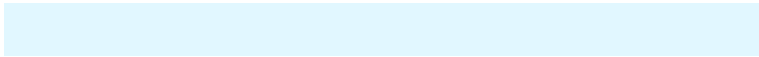
83.4874, 90.5333, 82.5402

Rectangle

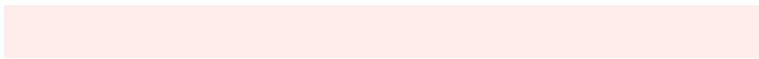
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



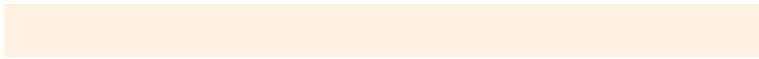
80.2511, 90.5333, 106.1735



84.2305, 90.5333, 117.4468



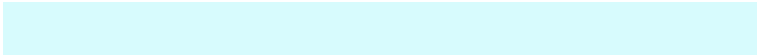
92.1200, 90.5333, 91.3487



87.8939, 90.5333, 81.8421

Sweetspot

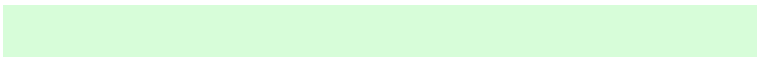
The Sweet Spot groups the original color and five complimentary colors.



80.2537, 90.5371, 106.1755



90.3005, 97.2349, 108.6166



75.6625, 89.7037, 78.9057



19.1904, 20.7318, 23.2401



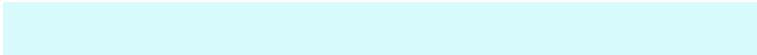
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.2537, 90.5371, 106.1755



79.3683, 90.7809, 107.9471



74.6402, 79.3100, 104.3044



18.4683, 20.3082, 23.1964



25.9965, 36.9026, 55.1873



2.5552, 3.6412, 5.3814

Inverse Universe

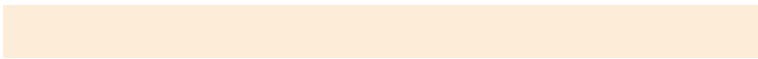
The Inverse Universe completely reimagines the original color for something new.



82.2231, 76.4503, 101.6940



81.7291, 73.9757, 102.5563



82.7419, 85.7238, 76.4769



18.7490, 18.2829, 22.5615



29.9100, 14.4533, 45.0382



2.9244, 1.4121, 4.4492

Previews

White Background



This preview shows how the XYZ color 80.2511, 90.5333, 106.1735 looks on a white background.

Color Contrast Check

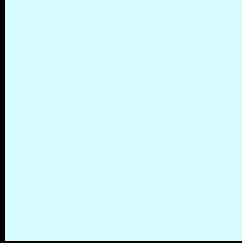
Large Text (above 18pt) WCAG AA × Fail

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 80.2511, 90.5333, 106.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

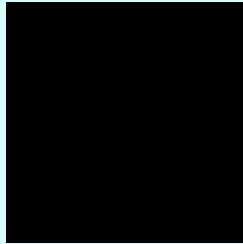
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

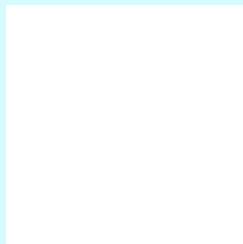
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2511, 90.5333, 106.1735

Background



This preview shows how black text looks on a background with the XYZ color 80.2511, 90.5333, 106.1735.

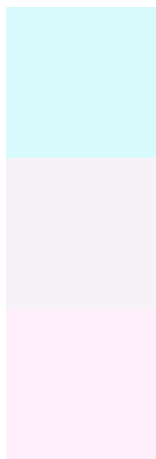


This preview shows how white text looks on a background with the XYZ color 80.2511, 90.5333,

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

80.2511, 90.5333, 106.1735

Protanopia

87.0532, 90.0557, 101.6012

Deuteranopia

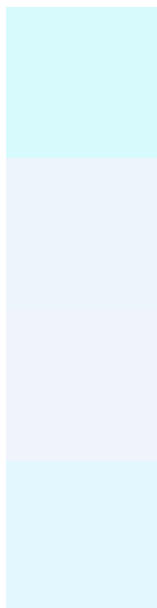
89.5191, 89.9580, 103.9123



Tritanopia

84.6100, 90.4552, 107.6079

Trichromacy



Original Color

80.2511, 90.5333, 106.1735

Protanomaly

84.1687, 89.8691, 103.3528

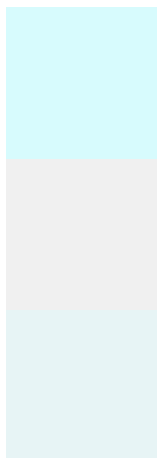
Deuteranomaly

85.5565, 89.6547, 104.8912

Tritanomaly

82.8208, 90.4593, 106.8612

Monochromacy



Original Color

80.2511, 90.5333, 106.1735

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.7871, 88.2829, 99.1159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2511, 90.5333, 106.1735 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(215, 251, 253)` looks like.

```
.text, #text, p{  
    color:rgb(215, 251, 253)  
}
```

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(215, 251, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 251, 253) }
```

Border

The CSS property to change the border of an element to XYZ 80.2511, 90.5333, 106.1735 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(215, 251, 253) }
```


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

```
.border{ border-color:rgb(215, 251, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 251, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 251, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 251, 253);  
box-shadow:4px 4px 4px 4px rgb(215, 251,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2511, 90.5333, 106.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 251, 253) }
```

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

```
.background{ background-color: rgb(215,  
251, 253) }
```

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](#).

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