

Converting Colors

XYZ(80.6514, 89.9580,
104.6305)

Have a look what the booklet for
XYZ(80.6514, 89.9580, 104.6305)
contains.

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Color

**XYZ(80.5017, 89.7765,
104.3525)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF9FB
RGB	219, 249, 251
RGB Percent	86%, 98%, 98%
CMY	0.1412, 0.0235, 0.0157
CMYK	0.13, 0.01, 0.00, 0.02
HSL	184°, 80%, 92%
HSV	184°, 13%, 98%
XYZ	80.5017, 89.7765, 104.3525
YIQ	240.2580, -18.5220, -5.7380

Conversions

Conversions Part 2

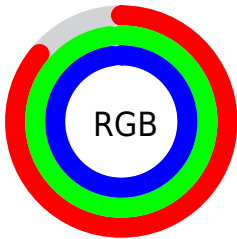
Format	Color
R _Y B	219, 234, 251
Decimal	14416379
CIE Lab	95.90, -9.27, -4.25
CIE LCh	96, 10.201, 204.613
Yxy	89.7765, 0.2931, 0.3269
Android (android.graphics.Color)	4292606459 (0xFFDBF9FB)
YUV	240.2580, 5.2958, -18.6433
Hunter-Lab	94.7505, -14.1565, 1.0269

Details

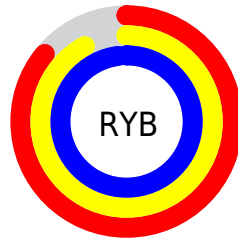
The XYZ color **80.5017, 89.7765, 104.3525** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.4268, 77.3363, 77.8132**, and the grayscale version is **82.9989, 87.3213, 95.0929**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2301, 49.9726, 58.9443** is the 20% darker color. If you saturate the color by 10%, you get **73.0312, 85.2121, 103.8666**, and if you desaturate by 10%, it is **89.1200, 94.9434, 104.8970**.

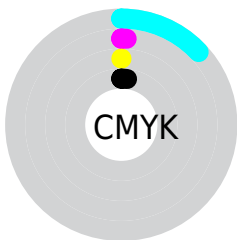
Distribution



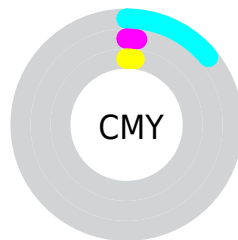
- Red (86%)
- Green (98%)
- Blue (98%)



- Red (86%)
- Yellow (92%)
- Blue (98%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5017, 89.7765, 104.3525 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 80.5017, 89.7765, 104.3525 by changing the saturation by 10% instead.

80.5017, 89.7765,
104.3525

80.5017, 89.7765,
104.3525

485.3328,
527.3035, 595.4243

60.4412, 67.7953,
79.3034

133.0177,
147.0279, 169.2296

44.0252, 49.7312,
58.6225

166.2039,
183.0669, 209.8947

30.8883, 35.1999,
41.8913

204.4960,
224.5606, 256.6021

20.6652, 23.8169,
28.6912

248.2593,
271.8934, 309.7706

12.9906, 15.1978,
18.6038

297.8594,
325.4497, 369.8184

7.4990, 8.9584,
11.2104

353.6614,

3.8252, 4.7140,

385.6139, 437.1643

6.0926

416.0307,
452.7704, 512.2268

■ 1.6037, 2.0805,
2.8318

■ 0.3948, 0.6536,
1.0094

■ 80.5017, 89.7765,
104.3525

■ 80.5017, 89.7765,
104.3525

■ 73.0312, 85.2121,
103.8666

■ 89.1200, 94.9434,
104.8970

■ 66.6499, 81.2129,
103.4310

■ 93.5064, 97.9322,
105.2427

■ 61.3057, 77.7542,
103.0451

■ 94.0005, 98.9205,
105.4074

■ 56.9394, 74.8056,
102.7061

■ 94.4129, 99.7451,
105.5449

■ 53.4853, 72.3332,
102.4109

■ 50.8702, 70.2992,
102.1562

■ 49.0091, 68.6599,
101.9378

■ 47.7993, 67.3622,
101.7511

■ 47.2193, 66.5781,
101.6303

Harmonies

Analogous

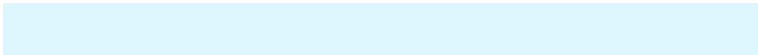
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0524, 89.7765, 96.3028



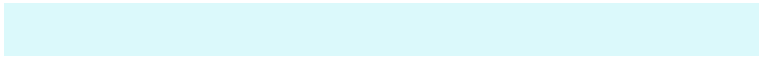
80.5017, 89.7765, 104.3525



82.2328, 89.7765, 110.9452

Triad

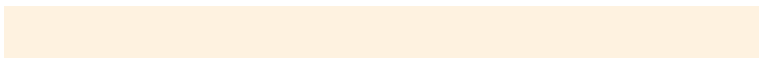
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5017, 89.7765, 104.3525



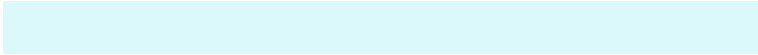
89.8203, 89.7765, 107.0084



85.8392, 89.7765, 83.1125

Complementary

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



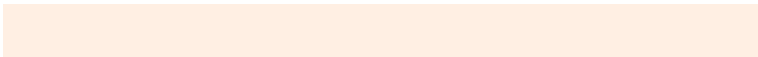
80.5017, 89.7765, 104.3525



78.4268, 77.3363, 77.8132

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.



88.5037, 89.7765, 85.6473



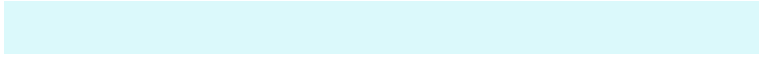
80.5017, 89.7765, 104.3525



90.8344, 89.7765, 99.2143

Square

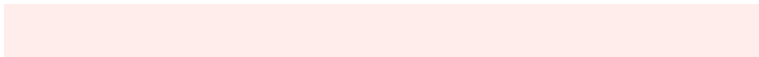
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5017, 89.7765, 104.3525



87.6047, 89.7765, 112.5367



90.3473, 89.7765, 91.4346



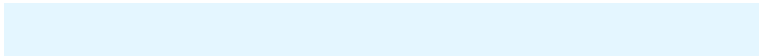
83.0948, 89.7765, 84.3213

Rectangle

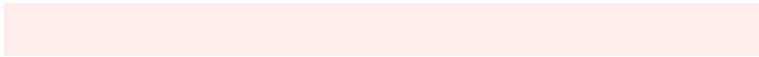
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



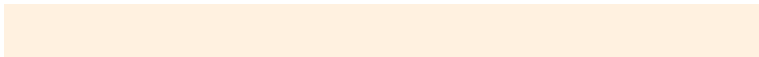
80.5017, 89.7765, 104.3525



83.9013, 89.7765, 113.4763



90.3473, 89.7765, 91.4346



86.7745, 89.7765, 83.5507

Sweetspot

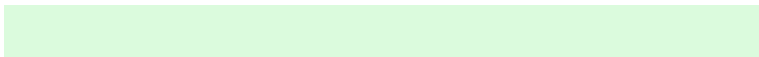
The Sweet Spot groups the original color and five complimentary colors.



80.5043, 89.7802, 104.3545



91.1938, 97.7112, 108.6615



76.7100, 89.2551, 81.3140



19.3687, 20.8245, 23.2486



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

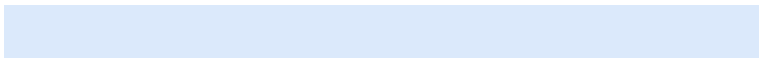
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5043, 89.7802, 104.3545



81.5945, 91.9403, 108.0535



75.8798, 80.5313, 102.8130



17.6676, 19.4121, 22.2010



24.8606, 35.0768, 53.4338



2.3298, 3.3032, 4.9580

Inverse Universe

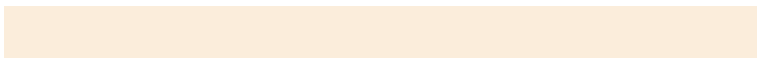
The Inverse Universe completely reimagines the original color for something new.



82.2161, 78.0136, 100.3518



83.6566, 77.8242, 103.2186



82.7398, 85.9623, 79.2509



17.9435, 17.5048, 21.5584



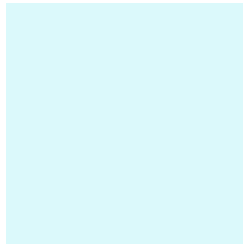
28.8405, 13.9519, 42.7300



2.6849, 1.2977, 4.0300

Previews

White Background



This preview shows how the XYZ color 80.5017, 89.7765, 104.3525 looks on a white background.

Color Contrast Check

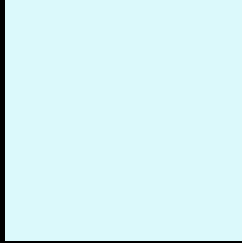
Large Text (above 18pt) WCAG AA × Fail

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 80.5017, 89.7765, 104.3525 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 80.5017, 89.7765, 104.3525

Background



This preview shows how black text looks on a background with the XYZ color 80.5017, 89.7765, 104.3525.



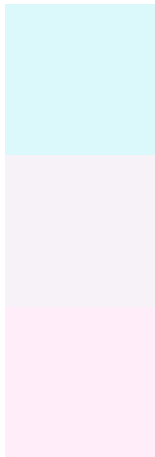
This preview shows how white text looks on a background with the XYZ color 80.5017, 89.7765,

104.3525.

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

80.5017, 89.7765, 104.3525

Protanopia

86.5467, 89.8125, 100.7697

Deuteranopia

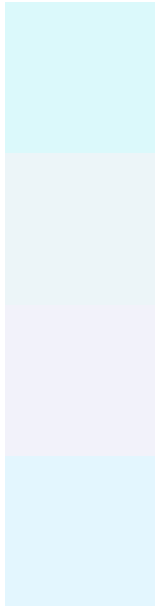
89.0699, 89.3112, 102.9868



Tritanopia

83.9811, 89.6806, 107.4916

Trichromacy



Original Color

80.5017, 89.7765, 104.3525

Protanomaly

84.1878, 89.9150, 101.7251

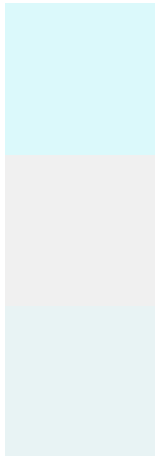
Deuteranomaly

85.6254, 89.2836, 103.1630

Tritanomaly

82.5237, 89.3982, 106.6720

Monochromacy



Original Color

80.5017, 89.7765, 104.3525

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.6584, 87.7886, 98.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5017, 89.7765, 104.3525 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, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(219, 249, 251)  
}
```

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, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 249, 251) }
```

Border

The CSS property to change the border of an element to XYZ 80.5017, 89.7765, 104.3525 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, 249, 251) }
```


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

```
.border{ border-color:rgb(219, 249, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 249, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(219, 249,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5017, 89.7765, 104.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 249, 251) }
```

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

```
.background{ background-color: rgb(219,  
249, 251) }
```

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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