

Converting Colors

XYZ(50.4610, 59.8840, 96.6022)

Have a look what the booklet for
XYZ(50.4610, 59.8840, 96.6022)
contains.

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Color

**XYZ(50.5079, 59.7951,
96.8752)**

Conversions

Conversions Part 1

Format	Color
Hex	85D6F7
RGB	133, 214, 247
RGB Percent	52%, 84%, 97%
CMY	0.4784, 0.1608, 0.0314
CMYK	0.46, 0.13, 0.00, 0.03
HSL	197°, 88%, 75%
HSV	197°, 46%, 97%
XYZ	50.5079, 59.7951, 96.8752
YIQ	193.5430, -58.8690, -6.9090

Conversions

Conversions Part 2

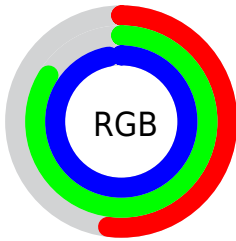
Format	Color
RYB	133, 180, 247
Decimal	8771319
CIELab	81.73, -16.25, -23.87
CIElCh	82, 28.870, 235.755
Yxy	59.7951, 0.2438, 0.2886
Android (android.graphics.Color)	4286961399 (0xFF85D6F7)
YUV	193.5430, 26.3543, -53.0962
Hunter-Lab	77.3273, -18.7318, -20.1491

Details

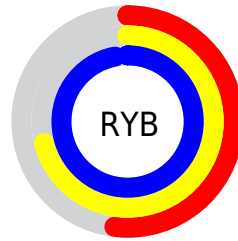
The XYZ color **50.5079, 59.7951, 96.8752** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.2289, 48.7413, 28.6365**, and the grayscale version is **50.8842, 53.5342, 58.2987**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.6261, 30.0137, 53.7855** is the 20% darker color. If you saturate the color by 10%, you get **45.2876, 54.4776, 96.1250**, and if you desaturate by 10%, it is **56.7282, 65.7486, 97.6976**.

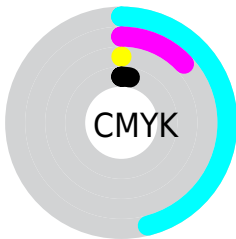
Distribution



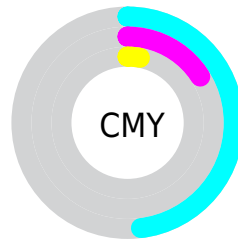
- Red (52%)
- Green (84%)
- Blue (97%)



- Red (52%)
- Yellow (71%)
- Blue (97%)



- Cyan (46%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (48%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5079, 59.7951, 96.8752 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 50.5079, 59.7951, 96.8752 by changing the saturation by 10% instead.

50.5079, 59.7951,
96.8752

50.5079, 59.7951,
96.8752

379.0681,
423.8421, 571.2879

36.0366, 43.2535,
73.0912

90.1143, 104.5324,
158.8705

24.6327, 30.0841,
53.5583

115.9800,
133.4968, 197.9189

15.9309, 19.9024,
37.8578

146.3747,
167.3711, 242.8926

9.5658, 12.3241,
25.5714

181.6635,
206.5394, 294.2100

5.1721, 6.9648,
16.2804

222.2119,
251.3863, 352.2897

2.3844, 3.4401,
9.5663

268.3852,

0.8373, 1.3656,

302.2961, 417.5502

5.0105

320.5488,
359.6532, 490.4101

■ 0.0000, 0.1912,
2.1946

■ 0.0000, 0.0000,
0.6712

■ 50.5079, 59.7951,
96.8752

■ 50.5079, 59.7951,
96.8752

■ 45.2876, 54.4776,
96.1250

■ 56.7282, 65.7486,
97.6976

■ 40.9954, 49.7537,
95.4395

■ 64.0028, 72.3637,
98.5910

■ 37.5583, 45.5855,
94.8161

■ 72.3884, 79.6724,
99.5597

■ 34.8889, 41.9265,
94.2505

■ 81.9360, 87.7023,
100.6065

■ 32.8788, 38.7191,
93.7374

■ 92.1374, 96.1929,
101.7076

■ 32.2169, 37.5719,
93.5508

■ 93.7887, 99.4955,
102.2581

Harmonies

Analogous

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



46.9449, 59.7951, 80.7584



50.5079, 59.7951, 96.8752



55.9728, 59.7951, 104.5095

Triad

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



50.5079, 59.7951, 96.8752



69.3017, 59.7951, 67.6155



51.9055, 59.7951, 39.3768

Complementary

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



50.5079, 59.7951, 96.8752



56.2289, 48.7413, 28.6365

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.



57.7028, 59.7951, 37.1097



50.5079, 59.7951, 96.8752



68.0213, 59.7951, 51.6204

Square

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



50.5079, 59.7951, 96.8752



67.0509, 59.7951, 85.8139



63.6662, 59.7951, 41.1751



47.7106, 59.7951, 48.0313

Rectangle

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



50.5079, 59.7951, 96.8752



60.0658, 59.7951, 102.9198



63.6662, 59.7951, 41.1751



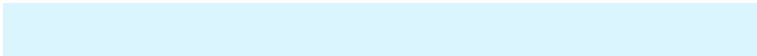
53.7192, 59.7951, 37.9167

Sweetspot

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



50.5098, 59.7974, 96.8766



79.9053, 87.4297, 107.2719



49.7540, 74.2369, 47.4493



16.6514, 18.3286, 22.9101



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.



50.5098, 59.7974, 96.8766



49.2361, 59.1453, 103.4289



38.6388, 36.0553, 92.9196



16.5678, 17.9000, 21.1244



17.1664, 20.1265, 49.5181



1.5968, 1.9450, 4.3815

Inverse Universe

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



58.8845, 41.4060, 68.5093



59.5314, 38.3402, 68.1512



68.7938, 73.8711, 32.8248



16.9972, 16.6817, 19.7318



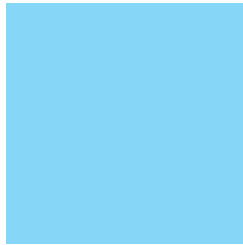
24.4693, 12.1312, 22.9774



2.1950, 1.0840, 2.2535

Previews

White Background



This preview shows how the XYZ color 50.5079, 59.7951, 96.8752 looks on a white background.

Color Contrast Check

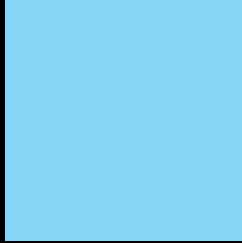
Large Text (above 18pt) WCAG AA × Fail

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 50.5079, 59.7951, 96.8752 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 50.5079, 59.7951, 96.8752

Background



This preview shows how black text looks on a background with the XYZ color 50.5079, 59.7951, 96.8752.

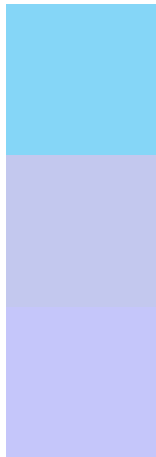


This preview shows how white text looks on a background with the XYZ color 50.5079, 59.7951,

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

50.5079, 59.7951, 96.8752

Protanopia

58.5926, 59.0837, 89.2051

Deuteranopia

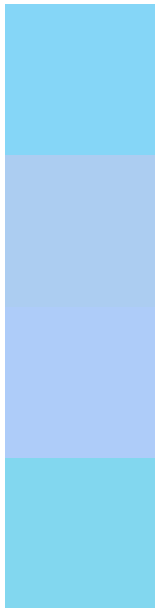
60.4754, 59.1606, 98.6742



Tritanopia

48.4604, 59.7194, 86.8148

Trichromacy



Original Color

50.5079, 59.7951, 96.8752

Protanomaly

54.7218, 58.7842, 91.6814

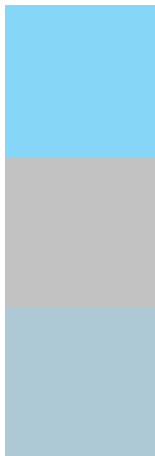
Deuteranomaly

56.1473, 59.0240, 98.0560

Tritanomaly

49.0863, 59.5787, 90.5741

Monochromacy



Original Color

50.5079, 59.7951, 96.8752

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9101, 55.3480, 71.0035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5079, 59.7951, 96.8752 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(133, 214, 247)` looks like.

```
.text, #text, p{  
    color:rgb(133, 214, 247)  
}
```

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(133, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 214, 247) }
```

Border

The CSS property to change the border of an element to XYZ 50.5079, 59.7951, 96.8752 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(133, 214, 247) }
```


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

```
.border{ border-color:rgb(133, 214, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 214, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(133, 214,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5079, 59.7951, 96.8752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 214, 247) }
```

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

```
.background{ background-color: rgb(133,  
214, 247) }
```

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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