

Converting Colors

XYZ(50.2010, 63.7815, 98.6277)

Have a look what the booklet for
XYZ(50.2010, 63.7815, 98.6277)
contains.

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Color

**XYZ(50.2989, 63.9427,
98.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	6EE1F8
RGB	110, 225, 248
RGB Percent	43%, 88%, 97%
CMY	0.5686, 0.1176, 0.0274
CMYK	0.56, 0.09, 0.00, 0.03
HSL	190°, 91%, 70%
HSV	190°, 56%, 97%
XYZ	50.2989, 63.9427, 98.4981
YIQ	193.2370, -75.9230, -17.2270

Conversions

Conversions Part 2

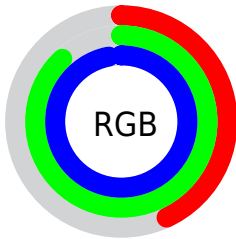
Format	Color
R _Y B	110, 173, 248
Decimal	7266808
CIE Lab	83.94, -26.33, -21.12
CIE LCh	84, 33.755, 218.742
Yxy	63.9427, 0.2364, 0.3006
Android (android.graphics.Color)	4285456888 (0xFF6EE1F8)
YUV	193.2370, 26.9982, -72.9988
Hunter-Lab	79.9642, -27.6576, -17.0572

Details

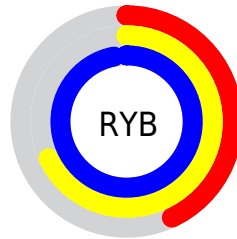
The XYZ color **50.2989, 63.9427, 98.4981** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.9150, 37.8591, 19.4306**, and the grayscale version is **50.7080, 53.3488, 58.0969**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **24.4653, 32.5750, 54.8673** is the 20% darker color. If you saturate the color by 10%, you get **46.5308, 60.3628, 98.0069**, and if you desaturate by 10%, it is **54.9613, 68.0265, 99.0418**.

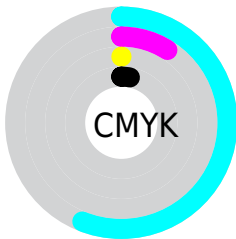
Distribution



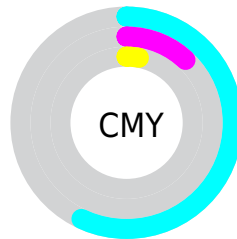
- Red (43%)
- Green (88%)
- Blue (97%)



- Red (43%)
- Yellow (68%)
- Blue (97%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (57%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2989, 63.9427, 98.4981 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 50.2989, 63.9427, 98.4981 by changing the saturation by 10% instead.

50.2989, 63.9427,
98.4981

50.2989, 63.9427,
98.4981

378.2664,
438.9827, 576.5721

35.8697, 46.6043,
74.4370

89.8068, 110.5284,
161.1255

24.5032, 32.7229,
54.6528

115.6161,
140.5445, 200.5289

15.8341, 21.9143,
38.7271

145.9497,
175.5552, 245.8834

9.4969, 13.7939,
26.2413

181.1726,
215.9450, 297.6076

5.1264, 7.9775,
16.7769

221.6504,
262.0983, 356.1200

2.3571, 4.0805,
9.9152

267.7484,

0.8237, 1.7187,

314.3994, 421.8392

5.2379

319.8319,
373.2327, 495.1838

■ 0.0000, 0.4357,
2.3264

■ 0.0000, 0.0000,
0.7459

■ 50.2989, 63.9427,
98.4981

■ 50.2989, 63.9427,
98.4981

■ 46.5308, 60.3628,
98.0069

■ 54.9613, 68.0265,
99.0418

■ 43.5768, 57.2410,
97.5600

■ 60.5776, 72.6412,
99.6365

■ 41.3521, 54.5349,
97.1549

■ 67.2094, 77.8201,
100.2866

■ 39.7498, 52.1889,
96.7865

■ 74.9110, 83.5915,
100.9947

■ 39.1764, 51.2432,
96.6342

■ 83.7330, 89.9816,
101.7631

■ 92.3078, 96.2859,
102.5280

■ 93.6049, 98.8802,
102.9604

■ 93.9435, 99.5574,
103.0733

Harmonies

Analogous

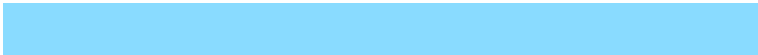
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.7195, 63.9427, 76.0288



50.2989, 63.9427, 98.4981



55.7412, 63.9427, 115.1435

Triad

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



50.2989, 63.9427, 98.4981



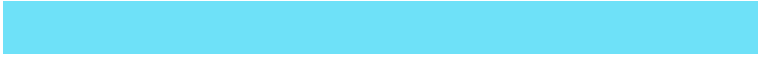
75.0872, 63.9427, 85.5373



58.6299, 63.9427, 36.5050

Complementary

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



50.2989, 63.9427, 98.4981



49.9150, 37.8591, 19.4306

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.



66.1044, 63.9427, 38.0270



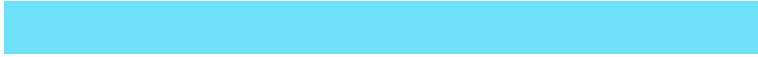
50.2989, 63.9427, 98.4981



76.0193, 63.9427, 63.5870

Square

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



50.2989, 63.9427, 98.4981



70.1627, 63.9427, 106.6634



72.6146, 63.9427, 47.0264



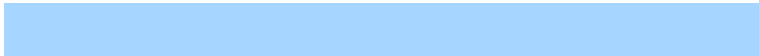
52.2655, 63.9427, 42.3356

Rectangle

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



50.2989, 63.9427, 98.4981



60.4625, 63.9427, 119.0671



72.6146, 63.9427, 47.0264



61.0898, 63.9427, 36.2031

Sweetspot

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



50.3009, 63.9451, 98.4996



78.5989, 88.1618, 107.4821



44.0760, 72.0819, 32.9586



16.4570, 18.5982, 22.9724



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.



50.3009, 63.9451, 98.4996



49.0593, 63.7911, 104.3350



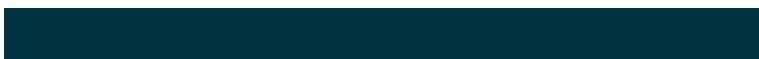
35.6537, 34.6508, 93.6172



17.5052, 19.0871, 22.1469



21.2523, 27.8602, 52.2310



2.0315, 2.7068, 4.8586

Inverse Universe

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



57.8797, 36.5465, 75.2402



58.2218, 33.1439, 75.6595



62.1124, 62.2540, 23.4964



17.8615, 17.4720, 21.1265



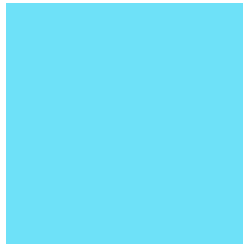
27.0192, 13.2234, 33.1392



2.5344, 1.2375, 3.2373

Previews

White Background



This preview shows how the XYZ color 50.2989, 63.9427, 98.4981 looks on a white background.

Color Contrast Check

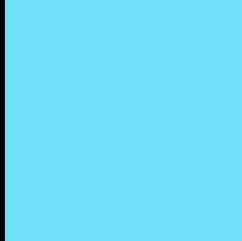
Large Text (above 18pt) WCAG AA × Fail

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 50.2989, 63.9427, 98.4981 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

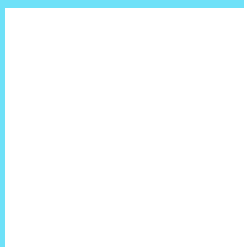
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2989, 63.9427, 98.4981

Background



This preview shows how black text looks on a background with the XYZ color 50.2989, 63.9427, 98.4981.



This preview shows how white text looks on a background with the XYZ color 50.2989, 63.9427,

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

50.2989, 63.9427, 98.4981

Protanopia

61.8402, 62.8953, 88.2375

Deuteranopia

64.5392, 62.9255, 101.6728



Tritanopia

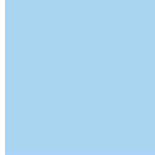
49.7098, 64.1125, 95.3429

Trichromacy



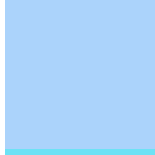
Original Color

50.2989, 63.9427, 98.4981



Protanomaly

55.8846, 62.3148, 91.5206



Deuteranomaly

57.5014, 62.2115, 100.2442



Tritanomaly

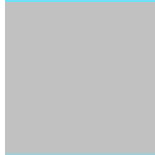
49.9845, 64.2365, 96.1506

Monochromacy



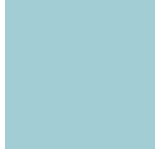
Original Color

50.2989, 63.9427, 98.4981



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.9458, 56.2533, 71.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2989, 63.9427, 98.4981 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(110, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(110, 225, 248)  
}
```

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(110, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 225, 248) }
```

Border

The CSS property to change the border of an element to XYZ 50.2989, 63.9427, 98.4981 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(110, 225, 248) }
```


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

```
.border{ border-color:rgb(110, 225, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 225, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(110, 225,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2989, 63.9427, 98.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 225, 248) }
```

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

```
.background{ background-color: rgb(110,  
225, 248) }
```

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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