

Converting Colors

XYZ(50.2247, 58.4964, 98.2663)

Have a look what the booklet for
XYZ(50.2247, 58.4964, 98.2663)
contains.

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Color

**XYZ(50.2247, 58.4964,
98.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	86D3F9
RGB	134, 211, 249
RGB Percent	53%, 83%, 98%
CMY	0.4745, 0.1725, 0.0235
CMYK	0.46, 0.15, 0.00, 0.02
HSL	200°, 91%, 75%
HSV	200°, 46%, 98%
XYZ	50.2247, 58.4964, 98.2663
YIQ	192.3090, -58.0900, -4.5060

Conversions

Conversions Part 2

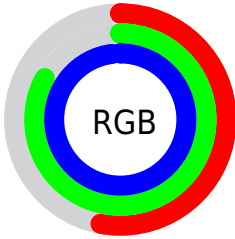
Format	Color
RYB	134, 180, 249
Decimal	8836089
CIELab	81.01, -13.93, -26.01
CIELCh	81, 29.507, 241.824
Yxy	58.4964, 0.2426, 0.2826
Android (android.graphics.Color)	4287026169 (0xFF86D3F9)
YUV	192.3090, 27.9487, -51.1370
Hunter-Lab	76.4829, -16.6280, -22.6385

Details

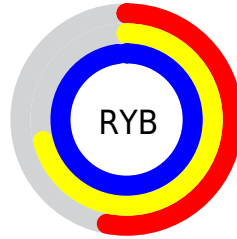
The XYZ color **50.2247, 58.4964, 98.2663** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.1240, 51.3677, 29.4078**, and the grayscale version is **50.1512, 52.7630, 57.4589**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **24.3045, 29.0786, 54.2009** is the 20% darker color. If you saturate the color by 10%, you get **44.7217, 52.7035, 97.4393**, and if you desaturate by 10%, it is **56.7703, 64.9846, 99.1747**.

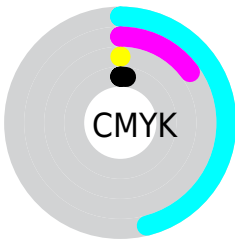
Distribution



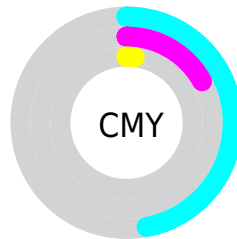
- Red (53%)
- Green (83%)
- Blue (98%)



- Red (53%)
- Yellow (71%)
- Blue (98%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (47%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2247, 58.4964, 98.2663 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 50.2247, 58.4964, 98.2663 by changing the saturation by 10% instead.

■ 50.2247, 58.4964,
98.2663

■ 50.2247, 58.4964,
98.2663

377.9815,
419.0331, 575.8190

■ 35.8105, 42.2079,
74.2446

■ 89.6975, 102.6454,
160.8037

■ 24.4573, 29.2641,
54.4963

■ 115.4869,
131.2746, 200.1565

■ 15.7998, 19.2807,
38.6027

■ 145.7987,
164.7862, 245.4567

■ 9.4725, 11.8733,
26.1454

180.9983,
203.5645, 297.1230

■ 5.1102, 6.6574,
16.7057

221.4510,
247.9940, 355.5738

■ 2.3475, 3.2488,
9.8651

267.5222,

■ 0.8188, 1.2630,

298.4589, 421.2277

5.2052

319.5772,
355.3439, 494.5033

■ 0.0000, 0.1123,
2.3073

■ 0.0000, 0.0000,
0.7353

■ 50.2247, 58.4964,
98.2663

■ 50.2247, 58.4964,
98.2663

■ 44.7217, 52.7035,
97.4393

■ 56.7703, 64.9846,
99.1747

■ 40.1876, 47.5619,
96.6858

■ 64.4145, 72.1955,
100.1637

■ 36.5473, 43.0317,
96.0032

■ 73.2157, 80.1626,
101.2376

■ 33.7110, 39.0642,
95.3869

■ 83.2265, 88.9152,
102.3994

■ 31.5674, 35.5997,
94.8312

■ 93.1941, 97.8096,
103.5908

■ 30.8673, 34.3760,
94.6319

■ 94.0991, 99.6196,
103.8925

Harmonies

Analogous

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



46.1862, 58.4964, 83.1719



50.2247, 58.4964, 98.2663



55.9745, 58.4964, 103.6729

Triad

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



50.2247, 58.4964, 98.2663



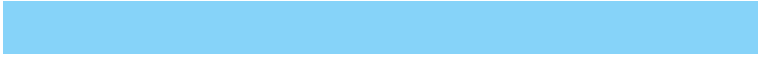
68.2121, 58.4964, 62.6257



49.6208, 58.4964, 39.1305

Complementary

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



50.2247, 58.4964, 98.2663



58.1240, 51.3677, 29.4078

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.



55.2253, 58.4964, 35.5931



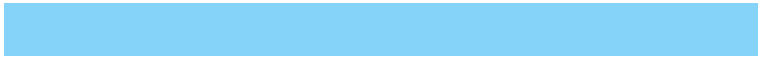
50.2247, 58.4964, 98.2663



66.2111, 58.4964, 47.5202

Square

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



50.2247, 58.4964, 98.2663



66.6329, 58.4964, 80.9714



61.3438, 58.4964, 38.3602



45.8559, 58.4964, 49.0654

Rectangle

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



50.2247, 58.4964, 98.2663



60.0904, 58.4964, 100.3890



61.3438, 58.4964, 38.3602



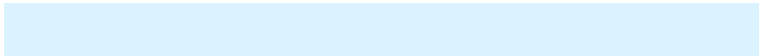
51.3373, 58.4964, 37.2454

Sweetspot

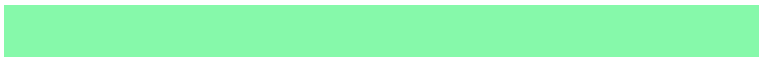
The Sweet Spot groups the original color and five complimentary colors.



50.2266, 58.4986, 98.2677



79.4653, 86.5498, 107.1253



51.0041, 75.7392, 50.1702



16.5437, 18.1132, 22.8742



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.



50.2266, 58.4986, 98.2677



47.8039, 56.2809, 102.9515



38.6675, 35.3805, 94.4147



17.2543, 18.5854, 22.0632



16.6582, 18.6720, 50.6996



1.6399, 1.9234, 4.7280

Inverse Universe

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



59.3515, 41.8950, 66.5886



58.8085, 38.0510, 64.3444



71.0919, 77.3034, 33.7304



17.7349, 17.4213, 20.4597



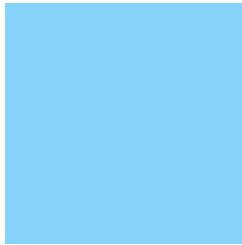
24.7003, 12.2958, 20.9281



2.3367, 1.1584, 2.1962

Previews

White Background



This preview shows how the XYZ color 50.2247, 58.4964, 98.2663 looks on a white background.

Color Contrast Check

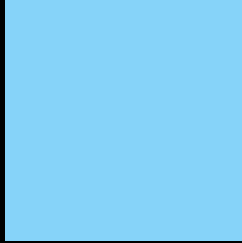
Large Text (above 18pt) WCAG AA × Fail

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 50.2247, 58.4964, 98.2663 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 50.2247, 58.4964, 98.2663

Background



This preview shows how black text looks on a background with the XYZ color 50.2247, 58.4964, 98.2663.

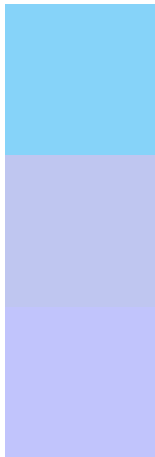


This preview shows how white text looks on a background with the XYZ color 50.2247, 58.4964,

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

50.2247, 58.4964, 98.2663

Protanopia

57.4081, 57.7558, 90.5603

Deuteranopia

59.3029, 57.8456, 100.1352



Tritanopia

47.5236, 58.5298, 84.3939

Trichromacy



Original Color

50.2247, 58.4964, 98.2663

Protanomaly

54.1112, 57.7290, 93.0849

Deuteranomaly

55.3125, 57.5090, 99.4518

Tritanomaly

48.5869, 58.5868, 89.6365

Monochromacy



Original Color

50.2247, 58.4964, 98.2663

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2283, 54.3089, 70.8388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2247, 58.4964, 98.2663 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(134, 211, 249)` looks like.

```
.text, #text, p{  
    color:rgb(134, 211, 249)  
}
```

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(134, 211, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 211, 249) }
```

Border

The CSS property to change the border of an element to XYZ 50.2247, 58.4964, 98.2663 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(134, 211, 249) }
```


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

```
.border{ border-color:rgb(134, 211, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 211, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 211, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 211, 249);  
box-shadow:4px 4px 4px 4px rgb(134, 211,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2247, 58.4964, 98.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 211, 249) }
```

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

```
.background{ background-color: rgb(134,  
211, 249) }
```

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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