

Converting Colors

XYZ(49.3610, 63.9823, 98.8724)

Have a look what the booklet for
XYZ(49.3610, 63.9823, 98.8724)
contains.

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Color

**XYZ(49.1766, 63.7667,
98.5233)**

Conversions

Conversions Part 1

Format	Color
Hex	62E2F8
RGB	98, 226, 248
RGB Percent	38%, 89%, 97%
CMY	0.6157, 0.1137, 0.0274
CMYK	0.60, 0.09, 0.00, 0.03
HSL	189°, 91%, 68%
HSV	189°, 60%, 97%
XYZ	49.1766, 63.7667, 98.5233
YIQ	190.2360, -83.3500, -20.2940

Conversions

Conversions Part 2

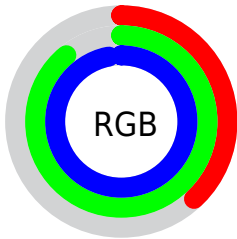
Format	Color
R_{YB}	98, 167, 248
Decimal	6480632
CIE _{Lab}	83.84, -28.96, -21.30
CIE _{LCh}	84, 35.952, 216.330
Yxy	63.7667, 0.2326, 0.3015
Android (android.graphics.Color)	4284670712 (0xFF62E2F8)
YUV	190.2360, 28.4777, -80.8910
Hunter-Lab	79.8541, -29.8188, -17.2537

Details

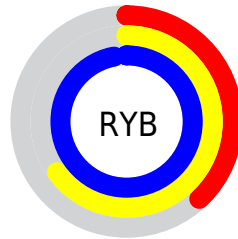
The XYZ color **49.1766, 63.7667, 98.5233** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.6340, 34.2729, 15.6618**, and the grayscale version is **48.9570, 51.5066, 56.0906**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **23.8892, 32.5552, 54.8939** is the 20% darker color. If you saturate the color by 10%, you get **45.9256, 60.6393, 98.0922**, and if you desaturate by 10%, it is **53.2813, 67.3680, 99.0033**.

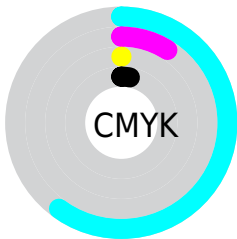
Distribution



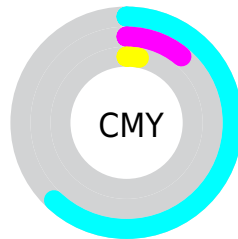
- Red (38%)
- Green (89%)
- Blue (97%)



- Red (38%)
- Yellow (65%)
- Blue (97%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (62%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1766, 63.7667, 98.5233 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 49.1766, 63.7667, 98.5233 by changing the saturation by 10% instead.

49.1766, 63.7667,
98.5233

49.1766, 63.7667,
98.5233

373.9426,
438.3467, 576.6540

34.9747, 46.4617,
74.4579

88.1528, 110.2749,
161.1605

23.8098, 32.6103,
54.6698

113.6579,
140.2469, 200.5694

15.3166, 21.8281,
38.7406

143.6614,
175.2100, 245.9298

9.1296, 13.7307,
26.2517

178.5286,
215.5487, 297.6603

4.8836, 7.9336,
16.7846

218.6250,
261.6473, 356.1794

2.2132, 4.0525,
9.9207

264.3159,

0.7497, 1.7030,

313.8903, 421.9057

5.2415

315.9666,
372.6619, 495.2577

■ 0.0000, 0.4256,
2.3284

■ 0.0000, 0.0000,
0.7471

■ 49.1766, 63.7667,
98.5233

■ 49.1766, 63.7667,
98.5233

■ 45.9256, 60.6393,
98.0922

■ 53.2813, 67.3680,
99.0033

■ 43.4426, 57.9375,
97.7015

■ 58.3030, 71.4720,
99.5307

■ 41.6348, 55.6145,
97.3484

■ 64.3060, 76.1134,
100.1102

■ 40.3945, 53.6795,
97.0403

■ 71.3468, 81.3216,
100.7444

79.4779, 87.1236,
101.4358

88.7478, 93.5449,
102.1866

92.8257, 97.3218,
102.7007

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.



46.7303, 63.7667, 74.3389



49.1766, 63.7667, 98.5233



54.7126, 63.7667, 117.3796

Triad

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



49.1766, 63.7667, 98.5233



75.6115, 63.7667, 88.4004



58.9489, 63.7667, 34.5487

Complementary

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



49.1766, 63.7667, 98.5233



47.6340, 34.2729, 15.6618

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.



66.9131, 63.7667, 36.7242



49.1766, 63.7667, 98.5233



76.9933, 63.7667, 64.7442

Square

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



49.1766, 63.7667, 98.5233



70.0599, 63.7667, 110.7034



73.6871, 63.7667, 46.7164



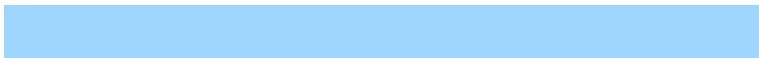
52.0475, 63.7667, 39.9515

Rectangle

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



49.1766, 63.7667, 98.5233



59.6414, 63.7667, 122.5197



73.6871, 63.7667, 46.7164



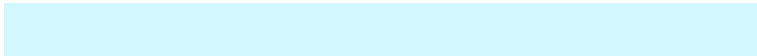
61.5857, 63.7667, 34.4383

Sweetspot

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



49.1786, 63.7691, 98.5248



78.0228, 88.0898, 107.4985



41.8761, 71.0410, 28.6468



16.1893, 18.4854, 22.9647



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.



49.1786, 63.7691, 98.5248



48.1544, 63.8013, 104.3846



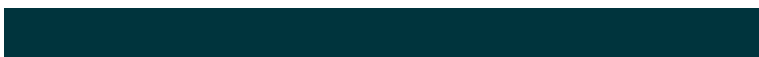
33.3734, 32.1587, 93.2564



17.5362, 19.1491, 22.1572



21.9021, 29.1597, 52.4476



2.0857, 2.8152, 4.8766

Inverse Universe

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



56.8082, 34.1847, 75.5582



57.3208, 31.0826, 76.1586



59.9877, 58.9803, 19.7797



17.8772, 17.4782, 21.2089



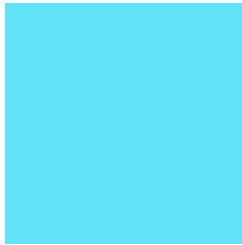
27.3472, 13.3546, 34.8663



2.5617, 1.2484, 3.3813

Previews

White Background



This preview shows how the XYZ color 49.1766, 63.7667, 98.5233 looks on a white background.

Color Contrast Check

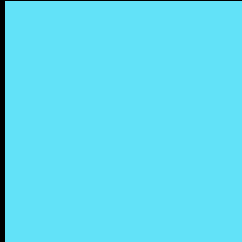
Large Text (above 18pt) WCAG AA × Fail

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 49.1766, 63.7667, 98.5233 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 49.1766, 63.7667, 98.5233

Background



This preview shows how black text looks on a background with the XYZ color 49.1766, 63.7667, 98.5233.

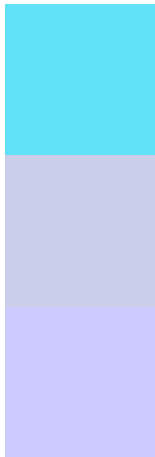


This preview shows how white text looks on a background with the XYZ color 49.1766, 63.7667,

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

49.1766, 63.7667, 98.5233

Protanopia

61.6953, 62.8373, 87.4744

Deuteranopia

64.2624, 62.7829, 101.6598



Tritanopia

48.8803, 64.0721, 96.1771

Trichromacy



Original Color

49.1766, 63.7667, 98.5233

Protanomaly

55.0395, 61.8791, 91.4810

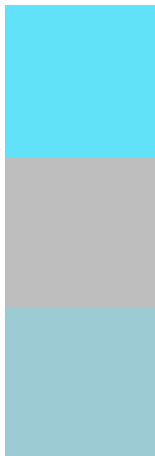
Deuteranomaly

56.4327, 61.6606, 100.1941

Tritanomaly

49.0334, 64.1334, 96.9834

Monochromacy



Original Color

49.1766, 63.7667, 98.5233

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.0184, 54.5831, 69.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1766, 63.7667, 98.5233 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(98, 226, 248)` looks like.

```
.text, #text, p{  
    color:rgb(98, 226, 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(98, 226, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 226, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.1766, 63.7667, 98.5233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

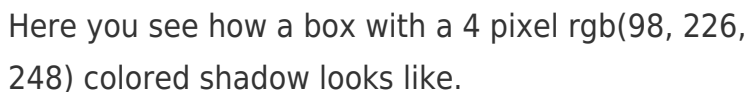
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 226, 248) }
```


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

```
.border{ border-color:rgb(98, 226, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 226, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 226, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 226, 248); box-shadow:4px 4px 4px 4px rgb(98, 226, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1766, 63.7667, 98.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 226, 248) }
```

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

```
.background{ background-color: rgb(98, 226,  
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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