

Converting Colors

XYZ(49.0800, 63.3853, 95.2358)

Have a look what the booklet for
XYZ(49.0800, 63.3853, 95.2358)
contains.

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Color

**XYZ(49.0800, 63.3853,
95.2358)**

Conversions

Conversions Part 1

Format	Color
Hex	69E1F4
RGB	105, 225, 244
RGB Percent	41%, 88%, 96%
CMY	0.5882, 0.1176, 0.0431
CMYK	0.57, 0.08, 0.00, 0.04
HSL	188°, 86%, 68%
HSV	188°, 57%, 96%
XYZ	49.0800, 63.3853, 95.2358
YIQ	191.2860, -77.6190, -19.5310

Conversions

Conversions Part 2

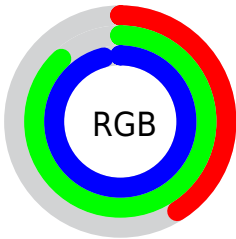
Format	Color
RYB	105, 169, 244
Decimal	6939124
CIELab	83.64, -28.37, -19.47
CIElCh	84, 34.404, 214.461
Yxy	63.3853, 0.2363, 0.3052
Android (android.graphics.Color)	4285129204 (0xFF69E1F4)
YUV	191.2860, 25.9880, -75.6728
Hunter-Lab	79.6149, -29.2866, -15.1926

Details

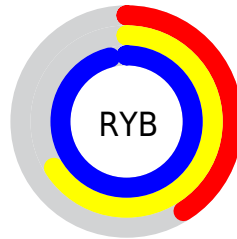
The XYZ color **49.0800, 63.3853, 95.2358** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.0671, 34.6699, 17.5776**, and the grayscale version is **49.5752, 52.1570, 56.7990**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **23.6911, 32.2264, 52.5486** is the 20% darker color. If you saturate the color by 10%, you get **45.7223, 60.3303, 94.8243**, and if you desaturate by 10%, it is **53.2812, 66.9040, 95.6947**.

Distribution



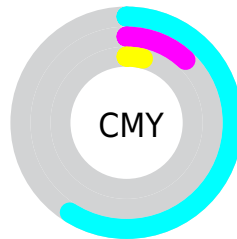
- Red (41%)
- Green (88%)
- Blue (96%)



- Red (41%)
- Yellow (66%)
- Blue (96%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (59%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0800, 63.3853, 95.2358 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 49.0800, 63.3853, 95.2358 by changing the saturation by 10% instead.

49.0800, 63.3853,
95.2358

49.0800, 63.3853,
95.2358

373.5689,
436.9665, 565.9232

34.8977, 46.1530,
71.7333

88.0103, 109.7252,
156.5887

23.7503, 32.3666,
52.4553

113.4890,
139.6016, 195.2762

15.2722, 21.6416,
36.9834

143.4639,
174.4614, 239.8624

9.0982, 13.5938,
24.8989

178.3004,
214.6891, 290.7658

4.8629, 7.8387,
15.7834

218.3638,
260.6691, 348.4051

2.2010, 3.9919,
9.2184

264.0194,

0.7433, 1.6690,

312.7857, 413.1987

4.7851

315.6327,
371.4234, 485.5653

■ 0.0000, 0.4035,
2.0652

■ 0.0000, 0.0000,
0.5950

■ 49.0800, 63.3853,
95.2358

■ 49.0800, 63.3853,
95.2358

■ 45.7223, 60.3303,
94.8243

■ 53.2812, 66.9040,
95.6947

■ 43.1297, 57.6943,
94.4521

■ 58.3839, 70.9124,
96.1995

■ 41.2190, 55.4357,
94.1169

■ 64.4478, 75.4428,
96.7543

■ 39.8814, 53.4983,
93.8134

■ 71.5258, 80.5226,
97.3618

■ 39.5370, 52.9470,
93.7251

■ 79.6668, 86.1770,
98.0241

■ 88.9166, 92.4299,
98.7435

■ 91.2441, 95.1413,
99.1442

■ 92.2806, 97.2142,
99.4897

■ 93.3294, 99.3117,
99.8393

Harmonies

Analogous

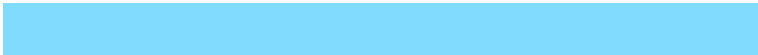
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9342, 63.3853, 72.2911



49.0800, 63.3853, 95.2358



54.2173, 63.3853, 113.5937

Triad

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



49.0800, 63.3853, 95.2358



74.2755, 63.3853, 88.4791



59.1268, 63.3853, 35.3827

Complementary

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



49.0800, 63.3853, 95.2358



47.0671, 34.6699, 17.5776

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.



66.7055, 63.3853, 37.9574



49.0800, 63.3853, 95.2358



75.8627, 63.3853, 65.8410

Square

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



49.0800, 63.3853, 95.2358



68.8147, 63.3853, 109.1573



72.9884, 63.3853, 48.1127



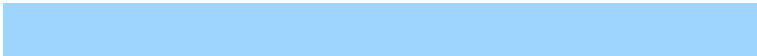
52.4196, 63.3853, 40.1635

Rectangle

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



49.0800, 63.3853, 95.2358



58.8591, 63.3853, 119.0567



72.9884, 63.3853, 48.1127



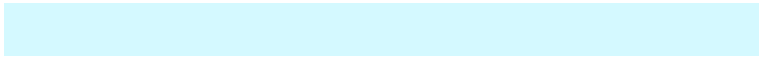
61.6541, 63.3853, 35.4263

Sweetspot

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



49.0820, 63.3877, 95.2373



78.9994, 88.9627, 107.6156



41.7866, 69.1495, 30.0612



16.5524, 18.7891, 23.0042



0.0000, 0.0000, 0.0000



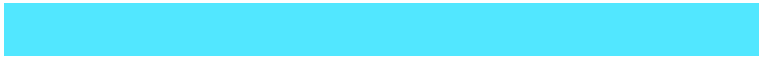
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0820, 63.3877, 95.2373



50.1548, 66.3155, 104.7645



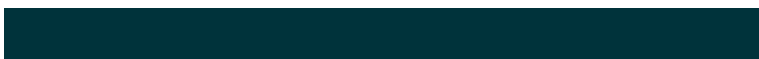
34.0395, 33.3027, 90.2232



16.7923, 18.3488, 21.1992



21.5726, 28.9389, 50.9868



1.9482, 2.6479, 4.4987

Inverse Universe

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



55.9521, 34.7743, 74.9997



58.6934, 33.0209, 79.1034



58.9370, 58.4096, 21.5342



17.1105, 16.7270, 20.3283



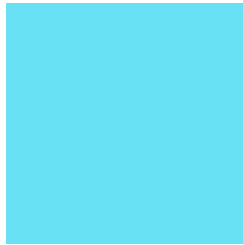
26.6933, 13.0208, 34.6891



2.3724, 1.1549, 3.1877

Previews

White Background



This preview shows how the XYZ color 49.0800, 63.3853, 95.2358 looks on a white background.

Color Contrast Check

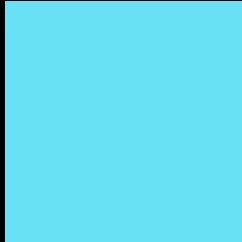
Large Text (above 18pt) WCAG AA × Fail

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 49.0800, 63.3853, 95.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

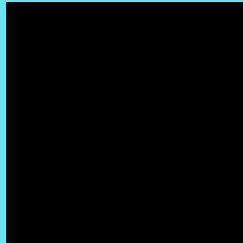
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0800, 63.3853, 95.2358

Background



This preview shows how black text looks on a background with the XYZ color 49.0800, 63.3853, 95.2358.

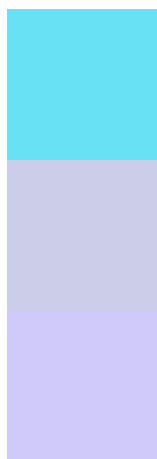


This preview shows how white text looks on a background with the XYZ color 49.0800, 63.3853,

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

49.0800, 63.3853, 95.2358

Protanopia

61.3970, 62.7495, 84.4772

Deuteranopia

63.9515, 62.3460, 98.2859



Tritanopia

48.9286, 63.3247, 94.4381

Trichromacy



Original Color

49.0800, 63.3853, 95.2358

Protanomaly

55.0830, 61.9695, 88.4150

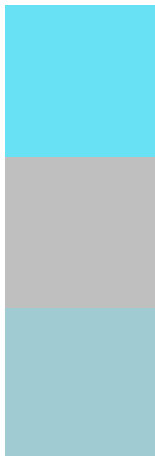
Deuteranomaly

56.4127, 61.3546, 96.8651

Tritanomaly

48.9286, 63.3247, 94.4381

Monochromacy



Original Color

49.0800, 63.3853, 95.2358

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.4860, 54.8386, 69.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0800, 63.3853, 95.2358 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(105, 225, 244)` looks like.

```
.text, #text, p{  
    color:rgb(105, 225, 244)  
}
```

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(105, 225, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 225, 244) }
```

Border

The CSS property to change the border of an element to XYZ 49.0800, 63.3853, 95.2358 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(105, 225, 244) }
```


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

```
.border{ border-color:rgb(105, 225, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 225, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 225, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 225, 244);  
box-shadow:4px 4px 4px 4px rgb(105, 225,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0800, 63.3853, 95.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 225, 244) }
```

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

```
.background{ background-color: rgb(105,  
225, 244) }
```

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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