

Converting Colors

XYZ(49.6079, 66.0437, 93.3516)

Have a look what the booklet for
XYZ(49.6079, 66.0437, 93.3516)
contains.

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Color

**XYZ(49.7086, 66.2120,
93.3794)**

Conversions

Conversions Part 1

Format	Color
Hex	64E7F1
RGB	100, 231, 241
RGB Percent	39%, 91%, 95%
CMY	0.6078, 0.0941, 0.0549
CMYK	0.59, 0.04, 0.00, 0.05
HSL	184°, 83%, 67%
HSV	184°, 59%, 95%
XYZ	49.7086, 66.2120, 93.3794
YIQ	192.9710, -81.2860, -24.6620

Conversions

Conversions Part 2

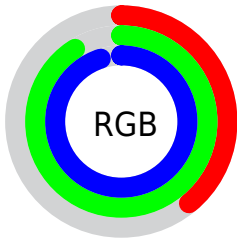
Format	Color
RYB	100, 168, 241
Decimal	6612977
CIELab	85.10, -32.95, -15.70
CIELCh	85, 36.502, 205.474
Yxy	66.2120, 0.2375, 0.3163
Android (android.graphics.Color)	4284803057 (0xFF64E7F1)
YUV	192.9710, 23.6783, -81.5356
Hunter-Lab	81.3708, -33.3549, -11.0805

Details

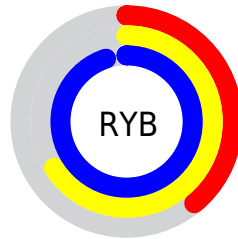
The XYZ color **49.7086, 66.2120, 93.3794** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.1532, 30.7742, 15.6712**, and the grayscale version is **50.5730, 53.2068, 57.9422**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **24.1495, 34.1950, 51.2264** is the 20% darker color. If you saturate the color by 10%, you get **46.9514, 64.0854, 93.1155**, and if you desaturate by 10%, it is **53.2627, 68.7592, 93.6849**.

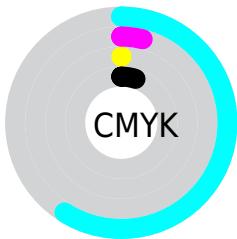
Distribution



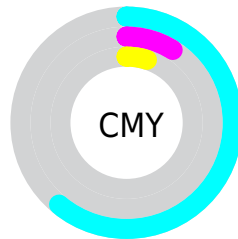
- Red (39%)
- Green (91%)
- Blue (95%)



- Red (39%)
- Yellow (66%)
- Blue (95%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (61%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7086, 66.2120, 93.3794 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 49.7086, 66.2120, 93.3794 by changing the saturation by 10% instead.

49.7086, 66.2120,
93.3794

49.7086, 66.2120,
93.3794

375.9961,
447.1347, 559.8149

35.3988, 48.4445,
70.1975

88.9374, 113.7906,
154.0000

24.1382, 34.1790,
51.2097

114.5870,
144.3704, 192.2758

15.5614, 23.0312,
35.9977

144.7474,
179.9899, 236.4199

9.3032, 14.6165,
24.1427

179.7837,
221.0333, 286.8510

4.9982, 8.5507,
15.2263

220.0614,
267.8851, 343.9874

2.2809, 4.4493,
8.8300

265.9458,

0.7849, 1.9279,

320.9297, 408.2479

4.5352

317.8022,
380.5514, 480.0509

■ 0.0000, 0.5651,
1.9233

■ 0.0000, 0.0000,
0.5075

■ 49.7086, 66.2120,
93.3794

■ 49.7086, 66.2120,
93.3794

■ 46.9514, 64.0854,
93.1155

■ 53.2627, 68.7592,
93.6849

■ 44.9132, 62.3350,
92.8850


■ 57.6706, 71.7521,
94.0303


■ 43.5112, 60.9194,
92.6857


■ 62.9913, 75.2225,
94.4197

■ 42.6233, 59.7757,
92.5117


■ 69.2763, 79.1971,
94.8556


 42.5094, 59.6150,
92.4867

 76.5738, 83.7005,
95.3403

 84.9285, 88.7560,
95.8757

 89.1579, 91.6920,
96.2195

 89.6717, 92.7194,
96.3908

 90.1902, 93.7565,
96.5636

Harmonies

Analogous

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



48.4479, 66.2120, 68.5785



49.7086, 66.2120, 93.3794



54.3884, 66.2120, 116.2129

Triad

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



49.7086, 66.2120, 93.3794



76.8806, 66.2120, 100.9296



64.1887, 66.2120, 35.7145

Complementary

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



49.7086, 66.2120, 93.3794



44.1532, 30.7742, 15.6712

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.



72.3276, 66.2120, 40.8483



49.7086, 66.2120, 93.3794



80.0497, 66.2120, 75.7269

Square

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



49.7086, 66.2120, 93.3794



69.9819, 66.2120, 121.1959



78.3155, 66.2120, 54.3164



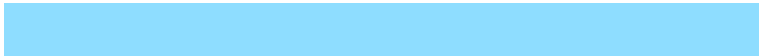
56.3732, 66.2120, 38.4497

Rectangle

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



49.7086, 66.2120, 93.3794



59.0489, 66.2120, 125.4222



78.3155, 66.2120, 54.3164



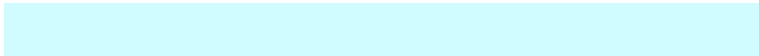
66.9828, 66.2120, 36.5387

Sweetspot

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



49.7106, 66.2145, 93.3810



79.1032, 90.2508, 107.8587



39.4943, 66.7342, 25.3824



16.4568, 19.0204, 23.0539



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.



49.7106, 66.2145, 93.3810



52.9245, 72.4854, 105.8094



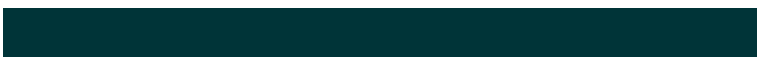
33.8969, 34.5870, 88.1097



16.1458, 17.7258, 20.2921



23.0937, 32.4116, 50.1668



1.9497, 2.7534, 4.1829

Inverse Universe

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



55.2583, 33.5864, 79.1743



59.9375, 32.9295, 87.4713



54.8786, 52.2250, 19.2464



16.4031, 16.0109, 19.6787



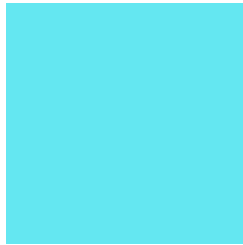
26.9823, 13.0653, 39.4186



2.2591, 1.0927, 3.3551

Previews

White Background



This preview shows how the XYZ color 49.7086, 66.2120, 93.3794 looks on a white background.

Color Contrast Check

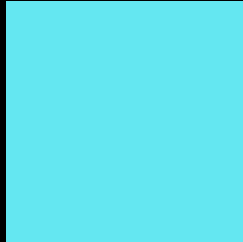
Large Text (above 18pt) WCAG AA × Fail

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 49.7086, 66.2120, 93.3794 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 49.7086, 66.2120, 93.3794

Background



This preview shows how black text looks on a background with the XYZ color 49.7086, 66.2120, 93.3794.

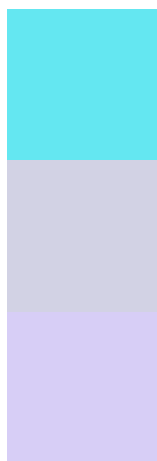


This preview shows how white text looks on a background with the XYZ color 49.7086, 66.2120,

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

49.7086, 66.2120, 93.3794

Protanopia

63.6285, 65.3963, 82.6679

Deuteranopia

66.7302, 65.2435, 96.2650



Tritanopia

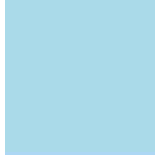
50.8336, 66.2545, 98.9161

Trichromacy



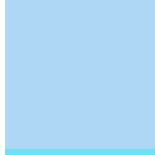
Original Color

49.7086, 66.2120, 93.3794



Protanomaly

56.3569, 64.5720, 86.5841



Deuteranomaly

57.8632, 64.0168, 94.8947



Tritanomaly

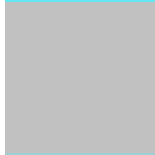
50.2577, 66.0110, 96.4787

Monochromacy



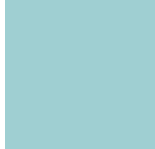
Original Color

49.7086, 66.2120, 93.3794



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.2438, 56.6497, 69.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7086, 66.2120, 93.3794 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(100, 231, 241)` looks like.

```
.text, #text, p{  
    color:rgb(100, 231, 241)  
}
```

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(100, 231, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 231, 241) }
```

Border

The CSS property to change the border of an element to XYZ 49.7086, 66.2120, 93.3794 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(100, 231, 241) }
```


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

```
.border{ border-color:rgb(100, 231, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 231, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 231, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 231, 241);  
box-shadow:4px 4px 4px 4px rgb(100, 231,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7086, 66.2120, 93.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 231, 241) }
```

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

```
.background{ background-color: rgb(100,  
231, 241) }
```

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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