

Converting Colors

XYZ(49.2862, 66.6561, 80.4079)

Have a look what the booklet for
XYZ(49.2862, 66.6561, 80.4079)
contains.

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Color

**XYZ(49.2461, 66.6858,
80.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	73E8DF
RGB	115, 232, 223
RGB Percent	45%, 91%, 87%
CMY	0.5490, 0.0902, 0.1255
CMYK	0.50, 0.00, 0.04, 0.09
HSL	175°, 72%, 68%
HSV	175°, 50%, 91%
XYZ	49.2461, 66.6858, 80.0881
YIQ	195.9910, -66.8430, -27.6030

Conversions

Conversions Part 2

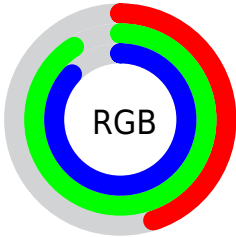
Format	Color
RYB	115, 176, 232
Decimal	7596255
CIELab	85.35, -35.24, -5.80
CIELCh	85, 35.718, 189.352
Yxy	66.6858, 0.2512, 0.3402
Android (android.graphics.Color)	4285786335 (0xFF73E8DF)
YUV	195.9910, 13.3154, -71.0291
Hunter-Lab	81.6614, -35.2625, -0.9848

Details

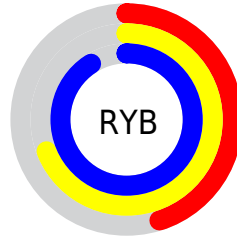
The XYZ color **49.2461, 66.6858, 80.0881** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **43.0498, 30.8744, 22.7615**, and the grayscale version is **52.4171, 55.1468, 60.0549**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **23.9086, 34.5559, 42.4556** is the 20% darker color. If you saturate the color by 10%, you get **46.3318, 65.2127, 78.7033**, and if you desaturate by 10%, it is **52.9344, 68.5608, 81.5253**.

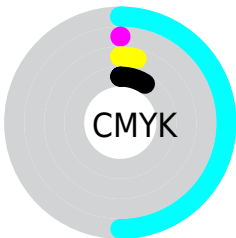
Distribution



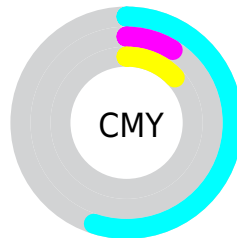
- Red (45%)
- Green (91%)
- Blue (87%)



- Red (45%)
- Yellow (69%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)





- Cyan (55%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2461, 66.6858, 80.0881 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 49.2461, 66.6858, 80.0881 by changing the saturation by 10% instead.


 49.2461, 66.6858,
80.0881


 49.2461, 66.6858,
80.0881


374.2113,
448.8256, 514.9443


 35.0301, 48.8293,
59.2643


 88.2554, 114.4701,
135.3021

 23.8527, 34.4841,
42.4045


 113.7794,
145.1667, 170.5294

 15.3485, 23.2658,
29.0902


 143.8034,
180.9121, 211.3948

 9.1522, 14.7899,
18.9029

178.6927,
222.0908, 258.3170

 4.8985, 8.6720,
11.4240

218.8129,
269.0870, 311.7146

 2.2220, 4.5279,
6.2351

264.5291,

 0.7543, 1.9730,

322.2853, 372.0059

2.9174

316.2068,
382.0700, 439.6096

■ 0.0000, 0.5917,
1.0526

■ 0.0000, 0.0000,
0.0000

■ 49.2461, 66.6858,
80.0881

■ 49.2461, 66.6858,
80.0881

■ 46.3318, 65.2127,
78.7033

■ 52.9344, 68.5608,
81.5253

■ 44.1270, 64.1034,
77.3634

■ 57.4436, 70.8571,
83.0128

■ 42.5664, 63.3260,
76.0669

■ 62.8235, 73.6021,
84.5543

■ 41.5698, 62.8390,
74.8098

■ 69.1186, 76.8184,
86.1521

■ 41.0148, 62.5783,
73.6377

■ 76.3700, 80.5275,
87.8080

■ 84.6165, 84.7493,
89.5239

■ 85.1651, 85.0024,
90.8930

■ 85.4251, 85.1064,
92.2622

■ 85.6877, 85.2114,
93.6450

Harmonies

Analogous

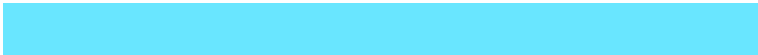
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9186, 66.6858, 58.0123



49.2461, 66.6858, 80.0881



52.1044, 66.6858, 104.6615

Triad

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



49.2461, 66.6858, 80.0881



73.7614, 66.6858, 112.7708



69.0251, 66.6858, 38.4042

Complementary

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



49.2461, 66.6858, 80.0881



43.0498, 30.8744, 22.7615

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.



76.1817, 66.6858, 47.8768



49.2461, 66.6858, 80.0881



79.0736, 66.6858, 89.4703

Square

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



49.2461, 66.6858, 80.0881



65.9430, 66.6858, 126.0032



79.9951, 66.6858, 65.6116



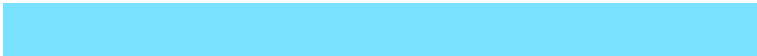
60.8898, 66.6858, 36.9396

Rectangle

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



49.2461, 66.6858, 80.0881



55.7829, 66.6858, 118.0493



79.9951, 66.6858, 65.6116



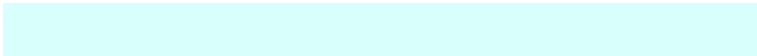
71.6436, 66.6858, 40.6436

Sweetspot

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



49.2481, 66.6884, 80.0897



81.8807, 93.2653, 105.8292



40.3742, 63.2949, 26.3102



17.1758, 19.7838, 22.5622



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.



49.2481, 66.6884, 80.0897



57.1373, 80.6710, 97.3785



38.6229, 43.4435, 82.6967



14.7571, 16.3163, 18.2515



22.7903, 34.7482, 40.9914



1.6984, 2.5735, 3.1046

Inverse Universe

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



43.0498, 30.8744, 22.7615



48.6369, 31.4261, 18.6625



49.6063, 44.8574, 22.2649



14.4218, 14.3859, 15.1554



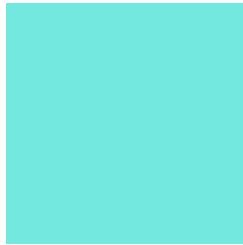
18.5525, 9.5552, 1.2726



1.3867, 0.7124, 0.1771

Previews

White Background



This preview shows how the XYZ color 49.2461, 66.6858, 80.0881 looks on a white background.

Color Contrast Check

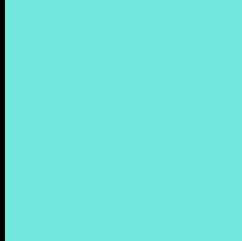
Large Text (above 18pt) WCAG AA × Fail

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 49.2461, 66.6858, 80.0881 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

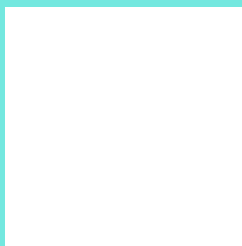
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2461, 66.6858, 80.0881

Background



This preview shows how black text looks on a background with the XYZ color 49.2461, 66.6858, 80.0881.

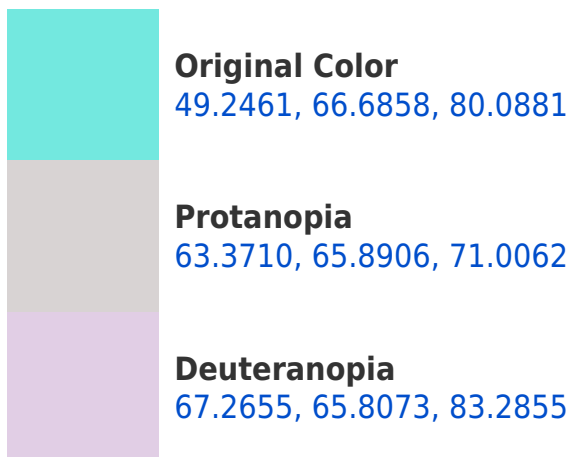


This preview shows how white text looks on a background with the XYZ color 49.2461, 66.6858,

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





Tritanopia

52.7003, 66.4132, 98.0371

Trichromacy



Original Color

49.2461, 66.6858, 80.0881



Protanomaly

56.1877, 65.1530, 73.9044



Deuteranomaly

58.1732, 64.4612, 82.0493



Tritanomaly

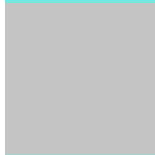
51.1977, 66.2047, 90.9693

Monochromacy



Original Color

49.2461, 66.6858, 80.0881



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.8774, 58.2726, 67.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2461, 66.6858, 80.0881 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(115, 232, 223)` looks like.

```
.text, #text, p{  
    color:rgb(115, 232, 223)  
}
```

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(115, 232, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 232, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.2461, 66.6858, 80.0881 is called "border". The border property can be set on classes, ids or directly on the HTML element.

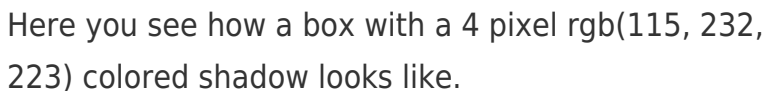
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 232, 223) }
```


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

```
.border{ border-color:rgb(115, 232, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 232, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 232, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 232, 223);  
box-shadow:4px 4px 4px 4px rgb(115, 232,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2461, 66.6858, 80.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 232, 223) }
```

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

```
.background{ background-color: rgb(115,  
232, 223) }
```

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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