

Converting Colors

XYZ(48.1117, 64.8208, 79.8637)

Have a look what the booklet for
XYZ(48.1117, 64.8208, 79.8637)
contains.

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Color

**XYZ(48.1486, 64.8770,
79.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	71E5DF
RGB	113, 229, 223
RGB Percent	44%, 90%, 87%
CMY	0.5568, 0.1019, 0.1255
CMYK	0.51, 0.00, 0.03, 0.10
HSL	177°, 69%, 67%
HSV	177°, 51%, 90%
XYZ	48.1486, 64.8770, 79.7969
YIQ	193.6320, -67.2100, -26.4580

Conversions

Conversions Part 2

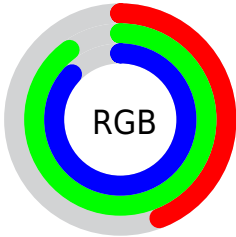
Format	Color
RYB	113, 173, 229
Decimal	7464415
CIELab	84.42, -34.26, -7.18
CIELCh	84, 35.008, 191.834
Yxy	64.8770, 0.2497, 0.3365
Android (android.graphics.Color)	4285654495 (0xFF71E5DF)
YUV	193.6320, 14.4784, -70.7143
Hunter-Lab	80.5463, -34.2530, -2.3560

Details

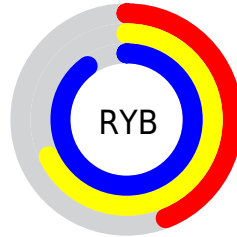
The XYZ color **48.1486, 64.8770, 79.7969** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.5501, 29.8020, 21.0173**, and the grayscale version is **51.0081, 53.6644, 58.4406**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **23.1837, 33.3186, 42.2550** is the 20% darker color. If you saturate the color by 10%, you get **45.4072, 63.4837, 78.8389**, and if you desaturate by 10%, it is **51.6382, 66.6589, 80.7986**.

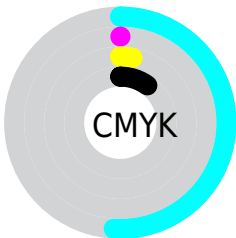
Distribution



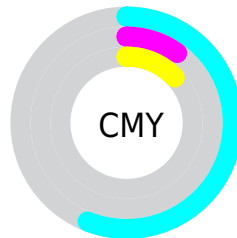
- Red (44%)
- Green (90%)
- Blue (87%)



- Red (44%)
- Yellow (68%)
- Blue (90%)



- Cyan (51%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (56%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1486, 64.8770, 79.7969 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 48.1486, 64.8770, 79.7969 by changing the saturation by 10% instead.


 48.1486, 64.8770,
79.7969


 48.1486, 64.8770,
79.7969


369.9536,
442.3498, 513.9368


 34.1563, 47.3613,
59.0261


 86.6340, 111.8730,
134.8890

 23.1772, 33.3214,
42.2139


 111.8578,
142.1221, 170.0473

 14.8458, 22.3728,
28.9420


 141.5561,
177.3846, 210.8385

 8.7968, 14.1311,
18.7918

176.0944,
218.0447, 257.6811

 4.6650, 8.2119,
11.3446

215.8379,
264.4869, 310.9937

 2.0848, 4.2308,
6.1821

261.1521,

 0.6809, 1.8035,

317.0955, 371.1948

2.8855

312.4022,
376.2550, 438.7030

■ 0.0000, 0.4894,
1.0365

■ 0.0000, 0.0000,
0.0000

■ 48.1486, 64.8770,
79.7969

■ 48.1486, 64.8770,
79.7969

■ 45.4072, 63.4837,
78.8389

■ 51.6382, 66.6589,
80.7986

■ 43.3512, 62.4421,
77.9174


■ 55.9212, 68.8483,
81.8419


■ 41.9173, 61.7210,
77.0308


■ 61.0463, 71.4716,
82.9304


■ 41.0274, 61.2802,
76.1755


■ 67.0564, 74.5510,
84.0662


 40.5648, 61.0585,
75.3986

 73.9915, 78.1071,
85.2512

 81.8892, 82.1594,
86.4871

 83.7260, 83.0870,
87.4453

 83.8943, 83.1543,
88.3313

 84.0637, 83.2220,
89.2233

Harmonies

Analogous

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



48.5122, 64.8770, 58.1055



48.1486, 64.8770, 79.7969



51.1743, 64.8770, 103.2467

Triad

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



48.1486, 64.8770, 79.7969



72.1907, 64.8770, 107.6171



66.4468, 64.8770, 37.2475

Complementary

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



48.1486, 64.8770, 79.7969



41.5501, 29.8020, 21.0173

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.



73.4965, 64.8770, 45.7416



48.1486, 64.8770, 79.7969



77.0000, 64.8770, 84.8588

Square

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



48.1486, 64.8770, 79.7969



64.7831, 64.8770, 121.4252



77.4970, 64.8770, 62.2119



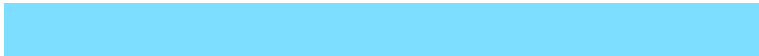
58.6459, 64.8770, 36.4537

Rectangle

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



48.1486, 64.8770, 79.7969



54.8676, 64.8770, 115.5486



77.4970, 64.8770, 62.2119



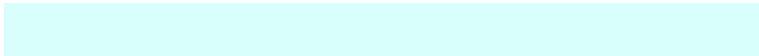
68.9989, 64.8770, 39.1984

Sweetspot

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



48.1505, 64.8795, 79.7984



82.0340, 93.3266, 106.6361



38.8497, 61.2791, 25.4046



17.2132, 19.7987, 22.7589



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.



48.1505, 64.8795, 79.7984



57.7359, 80.9105, 100.5307



37.0216, 41.3034, 80.1526



14.7735, 16.3228, 18.3382



23.2063, 34.9146, 43.1823



1.7248, 2.5840, 3.2434

Inverse Universe

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



41.5501, 29.8020, 21.0173



48.4247, 31.3412, 17.5450



48.4406, 44.1417, 21.5913



14.4071, 14.3800, 15.0781



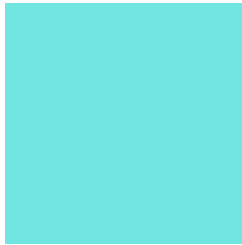
18.5256, 9.5445, 1.1311



1.3797, 0.7096, 0.1400

Previews

White Background



This preview shows how the XYZ color 48.1486, 64.8770, 79.7969 looks on a white background.

Color Contrast Check

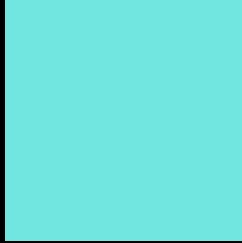
Large Text (above 18pt) WCAG AA × Fail

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 48.1486, 64.8770, 79.7969 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

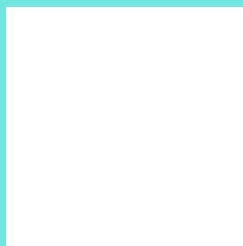
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1486, 64.8770, 79.7969

Background



This preview shows how black text looks on a background with the XYZ color 48.1486, 64.8770, 79.7969.

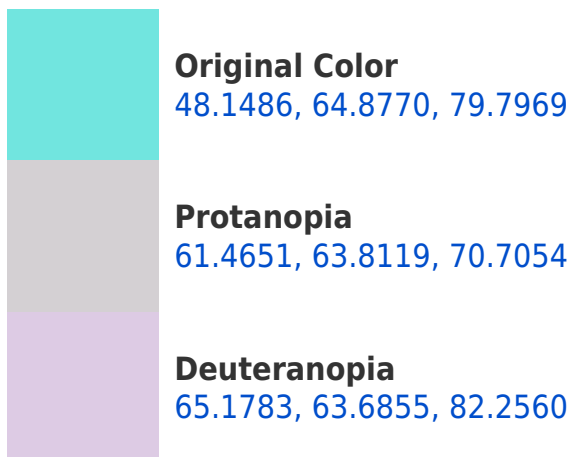


This preview shows how white text looks on a background with the XYZ color 48.1486, 64.8770,

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

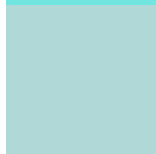
51.2712, 64.9174, 95.4160

Trichromacy



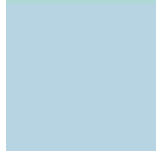
Original Color

48.1486, 64.8770, 79.7969



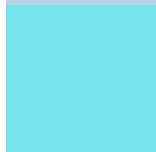
Protanomaly

54.7261, 63.2481, 73.6137



Deuteranomaly

56.5624, 62.5230, 81.0385



Tritanomaly

49.9455, 64.7762, 89.2275

Monochromacy



Original Color

48.1486, 64.8770, 79.7969



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.8493, 57.0328, 66.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1486, 64.8770, 79.7969 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(113, 229, 223)` looks like.

```
.text, #text, p{  
    color:rgb(113, 229, 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(113, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 229, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.1486, 64.8770, 79.7969 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(113, 229, 223) }
```


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

```
.border{ border-color:rgb(113, 229, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 229, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 229, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 229, 223);  
box-shadow:4px 4px 4px 4px rgb(113, 229,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1486, 64.8770, 79.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 229, 223) }
```

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

```
.background{ background-color: rgb(113,  
229, 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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