

Converting Colors

XYZ(48.1957, 71.7900, 66.5302)

Have a look what the booklet for
XYZ(48.1957, 71.7900, 66.5302)
contains.

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Color

**XYZ(48.1488, 71.6277,
66.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	64F4C9
RGB	100, 244, 201
RGB Percent	39%, 96%, 79%
CMY	0.6078, 0.0431, 0.2118
CMYK	0.59, 0.00, 0.18, 0.04
HSL	162°, 87%, 67%
HSV	162°, 59%, 96%
XYZ	48.1488, 71.6277, 66.5462
YIQ	196.0420, -72.0210, -43.9010

Conversions

Conversions Part 2

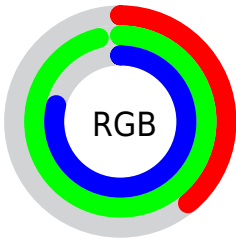
Format	Color
RYB	100, 185, 244
Decimal	6616265
CIELab	87.79, -48.78, 9.22
CIELCh	88, 49.647, 169.298
Yxy	71.6277, 0.2584, 0.3844
Android (android.graphics.Color)	4284806345 (0xFF64F4C9)
YUV	196.0420, 2.4443, -84.2288
Hunter-Lab	84.6331, -46.5572, 12.6241

Details

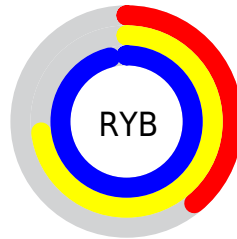
The XYZ color **48.1488, 71.6277, 66.5462** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **46.8257, 30.3324, 29.3759**, and the grayscale version is **52.5130, 55.2478, 60.1649**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **23.2028, 37.7328, 33.6640** is the 20% darker color. If you saturate the color by 10%, you get **45.0067, 70.1064, 62.0313**, and if you desaturate by 10%, it is **52.1434, 73.5874, 71.3164**.

Distribution



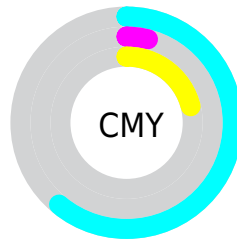
- Red (39%)
- Green (96%)
- Blue (79%)



- Red (39%)
- Yellow (73%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)





- Cyan (61%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1488, 71.6277, 66.5462 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 48.1488, 71.6277, 66.5462 by changing the saturation by 10% instead.


 48.1488, 71.6277,
66.5462


 48.1488, 71.6277,
66.5462


369.9544,
466.2447, 466.7852


 34.1565, 52.8546,
48.2567


 86.6343, 121.5271,
115.9044

 23.1773, 37.6867,
33.6687


 111.8581,
153.4221, 147.8101

 14.8459, 25.7396,
22.3639


 141.5565,
190.4600, 185.0916

 8.7969, 16.6290,
13.9237

176.0949,
233.0250, 228.1675

 4.6650, 9.9703,
7.9295

215.8385,
281.5016, 277.4562

 2.0848, 5.3793,
3.9627

261.1527,

 0.6809, 2.4715,

336.2741, 333.3764

1.6049

312.4029,
397.7271, 396.3465

■ 0.0000, 0.8623,
0.2943

■ 0.0000, 0.0000,
0.0000

■ 48.1488, 71.6277,
66.5462

■ 48.1488, 71.6277,
66.5462

■ 45.0067, 70.1064,
62.0313

■ 52.1434, 73.5874,
71.3164

■ 42.6360, 68.9764,
57.7604


■ 57.0506, 76.0110,
76.3429


■ 40.9498, 68.1946,
53.7279


■ 62.9317, 78.9318,
81.6329


■ 39.8145, 67.6923,
49.9246


■ 69.8407, 82.3776,
87.1917

 39.7158, 67.6494,
49.5615

 77.8278, 86.3743,
93.0243

 86.9398, 90.9459,
99.1356

 91.1639, 92.9926,
105.2468

 91.6419, 93.1838,
107.7640

Harmonies

Analogous

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



52.3019, 71.6277, 42.8558



48.1488, 71.6277, 66.5462



48.8501, 71.6277, 101.4698

Triad

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



48.1488, 71.6277, 66.5462



75.8486, 71.6277, 156.6991



83.9565, 71.6277, 38.4041

Complementary

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



48.1488, 71.6277, 66.5462



46.8257, 30.3324, 29.3759

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.



91.7911, 71.6277, 58.4448



48.1488, 71.6277, 66.5462



86.7493, 71.6277, 128.4428

Square

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



48.1488, 71.6277, 66.5462



63.9570, 71.6277, 160.7429



92.8684, 71.6277, 90.6767



72.3764, 71.6277, 30.0147

Rectangle

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



48.1488, 71.6277, 66.5462



52.0030, 71.6277, 126.7506



92.8684, 71.6277, 90.6767



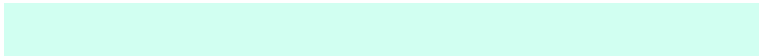
87.1697, 71.6277, 43.6787

Sweetspot

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



48.1508, 71.6305, 66.5479



78.0038, 91.4583, 96.9908



46.0155, 71.4819, 23.4298



16.1862, 19.3212, 20.3679



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.



48.1508, 71.6305, 66.5479



49.1150, 77.1878, 67.5276



45.9382, 57.9464, 94.3548



16.7736, 18.6686, 20.0919



21.6575, 36.8079, 27.2801



1.9486, 3.2531, 2.6355

Inverse Universe

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



46.8257, 30.3324, 29.3759



47.5828, 27.7098, 23.2683



47.4346, 35.8030, 16.4683



16.7028, 16.5640, 18.1813



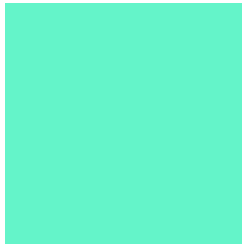
20.9900, 10.7394, 4.6555



1.8882, 0.9612, 0.6377

Previews

White Background



This preview shows how the XYZ color 48.1488, 71.6277, 66.5462 looks on a white background.

Color Contrast Check

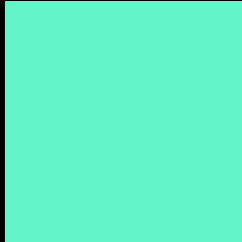
Large Text (above 18pt) WCAG AA × Fail

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 48.1488, 71.6277, 66.5462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

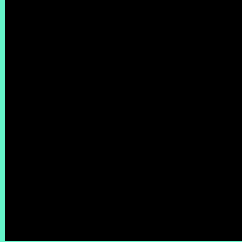
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1488, 71.6277, 66.5462

Background



This preview shows how black text looks on a background with the XYZ color 48.1488, 71.6277, 66.5462.

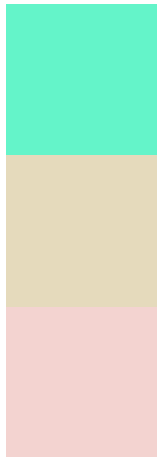


This preview shows how white text looks on a background with the XYZ color 48.1488, 71.6277,

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

48.1488, 71.6277, 66.5462

Protanopia

66.4616, 70.4317, 57.6687

Deuteranopia

71.6416, 70.1973, 69.4480



Tritanopia

56.0715, 71.3485, 105.4241

Trichromacy



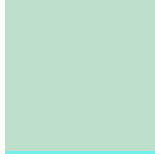
Original Color

48.1488, 71.6277, 66.5462



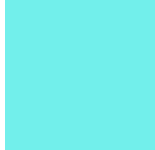
Protanomaly

56.3861, 68.7335, 60.7471



Deuteranomaly

58.8930, 68.2595, 67.8290



Tritanomaly

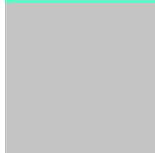
52.8013, 71.3086, 89.5783

Monochromacy



Original Color

48.1488, 71.6277, 66.5462



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.6852, 59.2428, 62.2951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1488, 71.6277, 66.5462 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, 244, 201)` looks like.

```
.text, #text, p{  
    color:rgb(100, 244, 201)  
}
```

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, 244, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 244, 201) }
```

Border

The CSS property to change the border of an element to XYZ 48.1488, 71.6277, 66.5462 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, 244, 201) }
```


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

```
.border{ border-color:rgb(100, 244, 201) }
```

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

Here you see how a box with a 4 pixel rgb(100, 244, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 244, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 244, 201);  
box-shadow:4px 4px 4px 4px rgb(100, 244,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1488, 71.6277, 66.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 244, 201) }
```

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

```
.background{ background-color: rgb(100,  
244, 201) }
```

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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