

Converting Colors

XYZ(48.6715, 70.5544, 66.9302)

Have a look what the booklet for
XYZ(48.6715, 70.5544, 66.9302)
contains.

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Color

**XYZ(48.6715, 70.5544,
66.9302)**

Conversions

Conversions Part 1

Format	Color
Hex	6FF1CA
RGB	111, 241, 202
RGB Percent	44%, 95%, 79%
CMY	0.5647, 0.0549, 0.2078
CMYK	0.54, 0.00, 0.16, 0.05
HSL	162°, 82%, 69%
HSV	162°, 54%, 95%
XYZ	48.6715, 70.5544, 66.9302
YIQ	197.6840, -64.9610, -39.6890

Conversions

Conversions Part 2

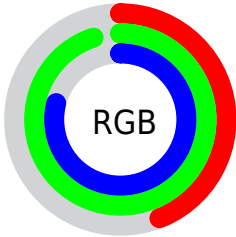
Format	Color
R_{YB}	111, 187, 241
Decimal	7336394
CIE Lab	87.27, -45.10, 8.00
CIE LCh	87, 45.804, 169.947
Yxy	70.5544, 0.2615, 0.3790
Android (android.graphics.Color)	4285526474 (0xFF6FF1CA)
YUV	197.6840, 2.1278, -76.0219
Hunter-Lab	83.9967, -43.5631, 11.5542

Details

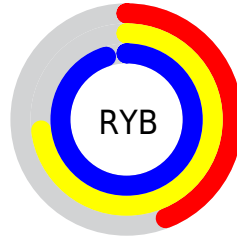
The XYZ color **48.6715, 70.5544, 66.9302** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.4674, 32.2734, 32.5843**, and the grayscale version is **53.5021, 56.2884, 61.2981**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **23.4820, 36.9327, 33.9081** is the 20% darker color. If you saturate the color by 10%, you get **45.2025, 68.8645, 62.4041**, and if you desaturate by 10%, it is **53.0024, 72.6876, 71.7092**.

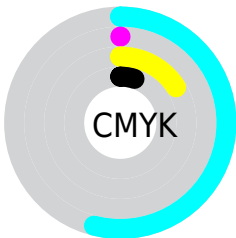
Distribution



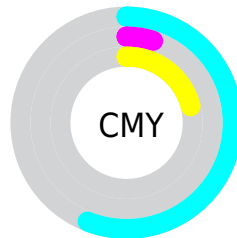
- Red (44%)
- Green (95%)
- Blue (79%)



- Red (44%)
- Yellow (73%)
- Blue (95%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)





- Cyan (56%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6715, 70.5544, 66.9302 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 48.6715, 70.5544, 66.9302 by changing the saturation by 10% instead.

 48.6715, 70.5544,
66.9302

 48.6715, 70.5544,
66.9302


371.9861,
462.4942, 468.1910


 34.5724, 51.9786,
48.5667


 87.4070, 119.9990,
116.4601

 23.4987, 36.9880,
33.9127


 112.7742,
151.6367, 148.4635

 15.0849, 25.1982,
22.5497

 142.6281,
188.3971, 185.8507

 8.9657, 16.2248,
14.0592

177.3341,
230.6646, 229.0401

 4.7757, 9.6834,
8.0226

217.2575,
278.8237, 278.4503

 2.1497, 5.1895,
4.0215

262.7638,

 0.7160, 2.3589,

333.2588, 334.4998

1.6371

314.2182,
394.3541, 397.6072

■ 0.0000, 0.8046,
0.3171

■ 0.0000, 0.0000,
0.0000

■ 48.6715, 70.5544,
66.9302

■ 48.6715, 70.5544,
66.9302

■ 45.2025, 68.8645,
62.4041

■ 53.0024, 72.6876,
71.7092

■ 42.5215, 67.5744,
58.1199


■ 58.2499, 75.2868,
76.7417


■ 40.5519, 66.6466,
54.0727


■ 64.4706, 78.3830,
82.0347


■ 39.1977, 66.0316,
50.2551


■ 71.7152, 82.0022,
87.5933

 38.5897, 65.7664,
48.0484

 80.0304, 86.1685,
93.4222

 89.2368, 90.7892,
99.5155

 90.3650, 91.2405,
105.4562

 90.7465, 91.3931,
107.4655

Harmonies

Analogous

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



52.4291, 70.5544, 44.6372



48.6715, 70.5544, 66.9302



49.4216, 70.5544, 98.8750

Triad

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



48.6715, 70.5544, 66.9302



74.3731, 70.5544, 147.1167



81.2829, 70.5544, 39.7894

Complementary

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



48.6715, 70.5544, 66.9302



47.4674, 32.2734, 32.5843

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.



88.4627, 70.5544, 58.3187



48.6715, 70.5544, 66.9302



84.1869, 70.5544, 121.6378

Square

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



48.6715, 70.5544, 66.9302



63.5107, 70.5544, 151.2358



89.5789, 70.5544, 87.6428



70.7388, 70.5544, 31.9826

Rectangle

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



48.6715, 70.5544, 66.9302



52.4082, 70.5544, 121.5237



89.5789, 70.5544, 87.6428



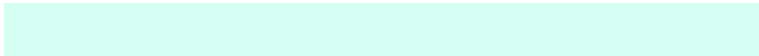
84.2156, 70.5544, 44.6957

Sweetspot

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



48.6735, 70.5572, 66.9318



79.6913, 92.3028, 98.2196



47.3068, 70.7527, 26.2033



16.6835, 19.5698, 20.7413



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.



48.6735, 70.5572, 66.9318



50.9562, 78.0772, 70.3148



47.2907, 59.4447, 92.2039



16.0336, 17.8435, 19.1997



20.9879, 35.6872, 26.3831



1.7897, 2.9863, 2.4250

Inverse Universe

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



47.4674, 32.2734, 32.5843



49.4918, 30.3099, 27.6595



47.7878, 37.1318, 19.6885



15.9680, 15.8369, 17.3875



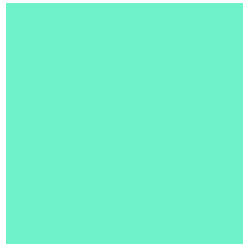
20.3631, 10.4176, 4.5624



1.7363, 0.8836, 0.6024

Previews

White Background



This preview shows how the XYZ color 48.6715, 70.5544, 66.9302 looks on a white background.

Color Contrast Check

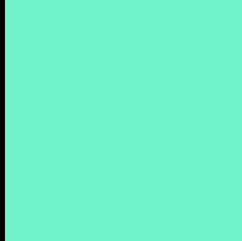
Large Text (above 18pt) WCAG AA × Fail

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 48.6715, 70.5544, 66.9302 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

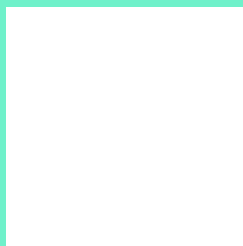
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6715, 70.5544, 66.9302

Background



This preview shows how black text looks on a background with the XYZ color 48.6715, 70.5544, 66.9302.



This preview shows how white text looks on a background with the XYZ color 48.6715, 70.5544,

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

48.6715, 70.5544, 66.9302

Protanopia

65.4197, 69.1168, 58.0370

Deuteranopia

70.8308, 69.3974, 69.9835



Tritanopia

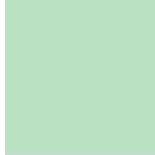
55.9048, 70.4495, 103.5801

Trichromacy



Original Color

48.6715, 70.5544, 66.9302



Protanomaly

56.6704, 68.0598, 61.1889



Deuteranomaly

59.2452, 67.6385, 68.3255



Tritanomaly

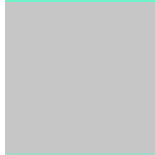
53.0206, 70.5738, 88.6695

Monochromacy



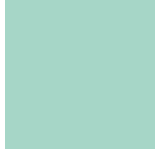
Original Color

48.6715, 70.5544, 66.9302



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.0813, 60.3236, 63.0369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6715, 70.5544, 66.9302 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(111, 241, 202)` looks like.

```
.text, #text, p{  
    color:rgb(111, 241, 202)  
}
```

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(111, 241, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 241, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.6715, 70.5544, 66.9302 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(111, 241, 202) }
```


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

```
.border{ border-color:rgb(111, 241, 202) }
```

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

Here you see how a box with a 4 pixel rgb(111, 241, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 241, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 241, 202);  
box-shadow:4px 4px 4px 4px rgb(111, 241,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6715, 70.5544, 66.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 241, 202) }
```

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

```
.background{ background-color: rgb(111,  
241, 202) }
```

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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