

Converting Colors

XYZ(47.6805, 71.4663, 62.9111)

Have a look what the booklet for
XYZ(47.6805, 71.4663, 62.9111)
contains.

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Color

**XYZ(47.6805, 71.4663,
62.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	66F4C3
RGB	102, 244, 195
RGB Percent	40%, 96%, 76%
CMY	0.6000, 0.0431, 0.2353
CMYK	0.58, 0.00, 0.20, 0.04
HSL	159°, 87%, 68%
HSV	159°, 58%, 96%
XYZ	47.6805, 71.4663, 62.9111
YIQ	195.9560, -68.9030, -45.3430

Conversions

Conversions Part 2

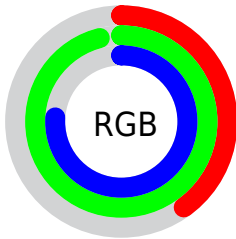
Format	Color
R _Y B	102, 188, 244
Decimal	6747331
CIE Lab	87.71, -49.74, 12.23
CIE LCh	88, 51.226, 166.183
Yxy	71.4663, 0.2619, 0.3925
Android (android.graphics.Color)	4284937411 (0xFF66F4C3)
YUV	195.9560, -0.4713, -82.3994
Hunter-Lab	84.5377, -47.2645, 15.0541

Details

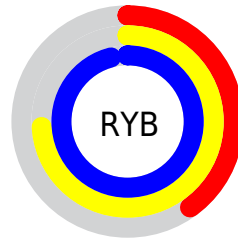
The XYZ color **47.6805, 71.4663, 62.9111** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.6479, 30.9720, 32.7477**, and the grayscale version is **52.4770, 55.2099, 60.1236**.

A 20% lighter version of the original color is **68.6405, 86.4408, 105.1625**, and **22.8873, 37.6232, 31.2550** is the 20% darker color. If you saturate the color by 10%, you get **44.3864, 69.8769, 57.9275**, and if you desaturate by 10%, it is **51.8458, 73.5023, 68.2189**.

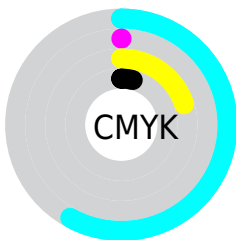
Distribution



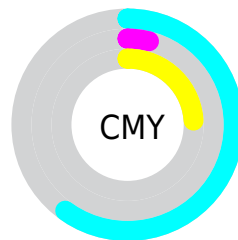
- Red (40%)
- Green (96%)
- Blue (76%)



- Red (40%)
- Yellow (74%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6805, 71.4663, 62.9111 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 47.6805, 71.4663, 62.9111 by changing the saturation by 10% instead.


 47.6805, 71.4663,
62.9111


 47.6805, 71.4663,
62.9111


368.1280,
465.6818, 453.3458


 33.7841, 52.7228,
45.3288


 85.9411, 121.2974,
110.6256

 22.8899, 37.5815,
31.3716


 111.0360,
153.1539, 141.5948

 14.6325, 25.6581,
20.6212


 140.5945,
190.1501, 177.8634

 8.6465, 16.5680,
12.6588

174.9820,
232.6705, 219.8499

 4.5666, 9.9270,
7.0661

214.5637,
281.0995, 267.9729

 2.0274, 5.3506,
3.4244

259.7050,

 0.6493, 2.4544,

335.8215, 322.6508

1.3152

310.7713,
397.2208, 384.3023

■ 0.0000, 0.8537,
0.0742

■ 0.0000, 0.0000,
0.0000

■ 47.6805, 71.4663,
62.9111

■ 47.6805, 71.4663,
62.9111

■ 44.3864, 69.8769,
57.9275

■ 51.8458, 73.5023,
68.2189

■ 41.8830, 68.6872,
53.2551


■ 56.9421, 76.0101,
73.8535


■ 40.0843, 67.8547,
48.8867


■ 63.0304, 79.0229,
79.8236


■ 38.8684, 67.3169,
44.8117


■ 70.1648, 82.5685,
86.1361

 38.6798, 67.2350,
44.1059

 78.3955, 86.6726,
92.7974

 87.7692, 91.3594,
99.8139

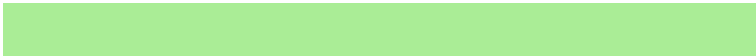
 91.4723, 93.1160,
106.8707

 91.6420, 93.1839,
107.7640

Harmonies

Analogous

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



52.4320, 71.4663, 40.0889



47.6805, 71.4663, 62.9111



47.8779, 71.4663, 97.9817

Triad

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



47.6805, 71.4663, 62.9111



74.6449, 71.4663, 161.3325



85.4106, 71.4663, 38.8468

Complementary

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



47.6805, 71.4663, 62.9111



47.6479, 30.9720, 32.7477

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.



92.9113, 71.4663, 60.6240



47.6805, 71.4663, 62.9111



86.2076, 71.4663, 133.9081

Square

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



47.6805, 71.4663, 62.9111



62.5011, 71.4663, 162.4976



93.2192, 71.4663, 94.9036



73.6573, 71.4663, 29.2638

Rectangle

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



47.6805, 71.4663, 62.9111



50.7684, 71.4663, 124.3506



93.2192, 71.4663, 94.9036



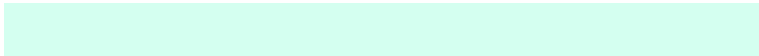
88.5713, 71.4663, 44.6337

Sweetspot

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



47.6825, 71.4691, 62.9128



78.5448, 91.7588, 96.0411



47.6440, 72.3102, 24.0176



16.4454, 19.4577, 20.2475



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.



47.6825, 71.4691, 62.9128



48.4510, 76.9453, 62.9859



48.1184, 61.9743, 95.0174



16.7396, 18.6550, 19.9130



21.0979, 36.5840, 24.3333



1.9026, 3.2347, 2.3927

Inverse Universe

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



47.6479, 30.9720, 32.7477



48.4536, 28.3359, 26.9975



46.8289, 34.4347, 16.7498



16.7352, 16.5769, 18.3520



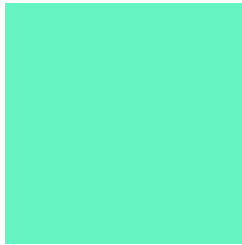
21.2184, 10.8308, 5.8582



1.9114, 0.9705, 0.7596

Previews

White Background



This preview shows how the XYZ color 47.6805, 71.4663, 62.9111 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 47.6805, 71.4663, 62.9111 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 47.6805, 71.4663, 62.9111

Background



This preview shows how black text looks on a background with the XYZ color 47.6805, 71.4663, 62.9111.

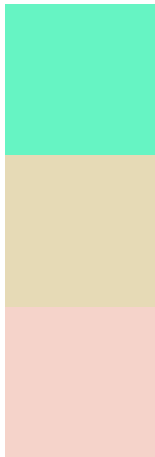


This preview shows how white text looks on a background with the XYZ color 47.6805, 71.4663, 62.9111.

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

47.6805, 71.4663, 62.9111

Protanopia

66.1480, 70.3432, 54.3472

Deuteranopia

71.6111, 70.2653, 65.6654



Tritanopia

56.0715, 71.3485, 105.4241

Trichromacy



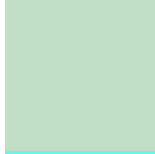
Original Color

47.6805, 71.4663, 62.9111



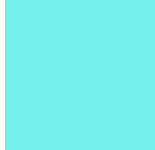
Protanomaly

55.9672, 68.5933, 57.3038



Deuteranomaly

58.6888, 68.2363, 64.1105



Tritanomaly

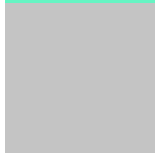
52.6447, 71.2610, 88.0709

Monochromacy



Original Color

47.6805, 71.4663, 62.9111



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

48.6583, 59.2554, 61.0974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6805, 71.4663, 62.9111 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(102, 244, 195)` looks like.

```
.text, #text, p{  
    color:rgb(102, 244, 195)  
}
```

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(102, 244, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 244, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.6805, 71.4663, 62.9111 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(102, 244, 195) }
```


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

```
.border{ border-color:rgb(102, 244, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 244, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 244, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 244, 195);  
box-shadow:4px 4px 4px 4px rgb(102, 244,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6805, 71.4663, 62.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 244, 195) }
```

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

```
.background{ background-color: rgb(102,  
244, 195) }
```

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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