

Converting Colors

XYZ(45.3394, 71.5117, 46.9972)

Have a look what the booklet for
XYZ(45.3394, 71.5117, 46.9972)
contains.

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Color

**XYZ(45.3408, 71.5117,
47.0107)**

Conversions

Conversions Part 1

Format	Color
Hex	67F6A5
RGB	103, 246, 165
RGB Percent	40%, 96%, 65%
CMY	0.5961, 0.0353, 0.3529
CMYK	0.58, 0.00, 0.33, 0.04
HSL	146°, 89%, 68%
HSV	146°, 58%, 96%
XYZ	45.3408, 71.5117, 47.0107
YIQ	194.0090, -59.2270, -55.5070

Conversions

Conversions Part 2

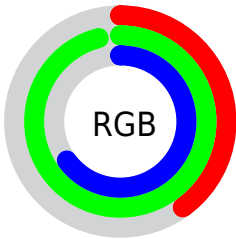
Format	Color
RYB	103, 203, 246
Decimal	6813349
CIELab	87.73, -56.45, 27.69
CIElCh	88, 62.871, 153.871
Yxy	71.5117, 0.2767, 0.4364
Android (android.graphics.Color)	4285003429 (0xFF67F6A5)
YUV	194.0090, -14.3014, -79.8149
Hunter-Lab	84.5646, -52.2821, 26.2350

Details

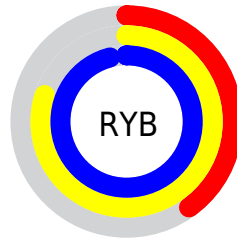
The XYZ color **45.3408, 71.5117, 47.0107** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **51.5103, 32.7555, 48.9575**, and the grayscale version is **51.3922, 54.0685, 58.8806**.

A 20% lighter version of the original color is **63.9881, 84.5798, 80.6632**, and **21.5791, 37.7941, 21.7804** is the 20% darker color. If you saturate the color by 10%, you get **41.7235, 69.7875, 40.5783**, and if you desaturate by 10%, it is **49.9299, 73.7248, 54.2132**.

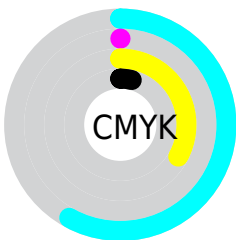
Distribution



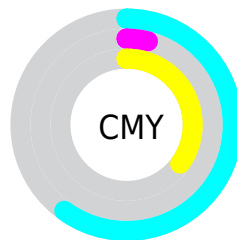
- Red (40%)
- Green (96%)
- Blue (65%)



- Red (40%)
- Yellow (80%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3408, 71.5117, 47.0107 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 45.3408, 71.5117, 47.0107 by changing the saturation by 10% instead.


 45.3408, 71.5117,
47.0107


 45.3408, 71.5117,
47.0107


358.9126,
465.8402, 391.2522


 31.9284, 52.7599,
32.6897


 82.4655, 121.3620,
87.0797

 21.4621, 37.6111,
21.6197


 106.9085,
153.2294, 113.6649

 13.5766, 25.6810,
13.3821


 135.7590,
190.2373, 145.1751

 7.9065, 16.5852,
7.5584


169.3825,
232.7703, 182.0291

 4.0865, 9.9392,
3.7300

208.1442,
281.2126, 224.6452

 1.7512, 5.3586,
1.4784

252.4096,

 0.4880, 2.4592,

335.9488, 273.4421

0.2018

302.5439,
397.3632, 328.8382

■ 0.0000, 0.8561,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3408, 71.5117,
47.0107

■ 45.3408, 71.5117,
47.0107

■ 41.7235, 69.7875,
40.5783

■ 49.9299, 73.7248,
54.2132

■ 38.9927, 68.5029,
34.8842


■ 55.5555, 76.4538,
62.2061

■ 37.0571, 67.6134,
29.9016


■ 62.2828, 79.7338,
71.0150


■ 35.7892, 67.0537,
25.5989

■ 70.1700, 83.5945,
80.6629

 35.5929, 66.9685,
24.8659

 79.2712, 88.0632,
91.1718

 89.6369, 93.1655,
102.5627

 92.2471, 94.3942,
107.9657

Harmonies

Analogous

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



53.2097, 71.5117, 27.6484



45.3408, 71.5117, 47.0107



43.1887, 71.5117, 83.5401

Triad

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



45.3408, 71.5117, 47.0107



69.9237, 71.5117, 191.8849



94.6636, 71.5117, 40.4802

Complementary

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



45.3408, 71.5117, 47.0107



51.5103, 32.7555, 48.9575

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.



100.7773, 71.5117, 72.4512



45.3408, 71.5117, 47.0107



85.2343, 71.5117, 167.8794

Square

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



45.3408, 71.5117, 47.0107



56.1085, 71.5117, 177.3019



97.0981, 71.5117, 119.9144



81.3949, 71.5117, 24.9608

Rectangle

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



45.3408, 71.5117, 47.0107



44.9772, 71.5117, 116.0452



97.0981, 71.5117, 119.9144



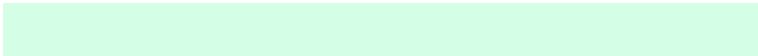
97.7051, 71.5117, 49.1372

Sweetspot

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



45.3427, 71.5146, 47.0123



77.1561, 91.2033, 88.7283



55.1814, 77.0884, 24.8039



16.1174, 19.3265, 18.5202



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.



45.3427, 71.5146, 47.0123



44.6040, 75.4065, 42.7280



53.7598, 74.8814, 91.3362



16.5805, 18.5914, 19.0754



19.0648, 35.7707, 13.6267



1.7262, 3.1641, 1.4639

Inverse Universe

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



51.5103, 32.7555, 48.9575



51.8558, 29.6967, 44.9132



45.8127, 30.4765, 18.9542



16.8924, 16.6398, 19.1799



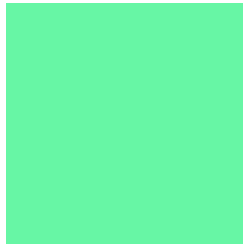
22.8588, 11.4870, 14.4967



2.0606, 1.0302, 1.5454

Previews

White Background



This preview shows how the XYZ color 45.3408, 71.5117, 47.0107 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 45.3408, 71.5117, 47.0107 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 45.3408, 71.5117, 47.0107

Background



This preview shows how black text looks on a background with the XYZ color 45.3408, 71.5117, 47.0107.



This preview shows how white text looks on a background with the XYZ color 45.3408, 71.5117,

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

45.3408, 71.5117, 47.0107

Protanopia

65.4132, 70.2756, 40.2539

Deuteranopia

71.8294, 70.3703, 49.3322



Tritanopia

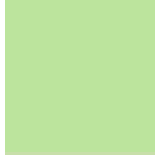
56.6510, 71.2395, 104.5307

Trichromacy



Original Color

45.3408, 71.5117, 47.0107



Protanomaly

54.5682, 68.6125, 42.2658



Deuteranomaly

57.4628, 67.9570, 48.1186



Tritanomaly

51.7970, 71.0000, 80.0816

Monochromacy



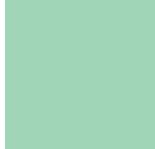
Original Color

45.3408, 71.5117, 47.0107



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.0394, 58.5845, 53.6284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3408, 71.5117, 47.0107 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(103, 246, 165)` looks like.

```
.text, #text, p{  
    color:rgb(103, 246, 165)  
}
```

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(103, 246, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 246, 165) }
```

Border

The CSS property to change the border of an element to XYZ 45.3408, 71.5117, 47.0107 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(103, 246, 165) }
```


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

```
.border{ border-color:rgb(103, 246, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 246, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 246, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 246, 165); box-shadow:4px 4px 4px 4px rgb(103, 246, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3408, 71.5117, 47.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 246, 165) }
```

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

```
.background{ background-color: rgb(103,  
246, 165) }
```

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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