

Converting Colors

XYZ(48.8772, 82.6850, 35.3924)

Have a look what the booklet for
XYZ(48.8772, 82.6850, 35.3924)
contains.

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Color

**XYZ(45.5872, 76.0970,
34.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	67FF85
RGB	103, 255, 133
RGB Percent	40%, 100%, 52%
CMY	0.5961, 0.0000, 0.4784
CMYK	0.60, 0.00, 0.48, 0.00
HSL	132°, 100%, 70%
HSV	132°, 60%, 100%
XYZ	45.5872, 76.0970, 34.4758
YIQ	195.6440, -51.4300, -70.1660

Conversions

Conversions Part 2

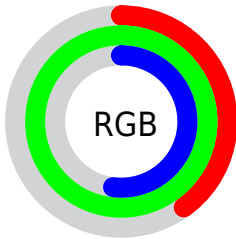
Format	Color
RYB	103, 230, 255
Decimal	6815621
CIELab	89.90, -65.10, 46.28
CIELCh	90, 79.871, 144.592
Yxy	76.0970, 0.2919, 0.4873
Android (android.graphics.Color)	4285005701 (0xFF67FF85)
YUV	195.6440, -30.8835, -81.2488
Hunter-Lab	87.2336, -59.3769, 37.6314

Details

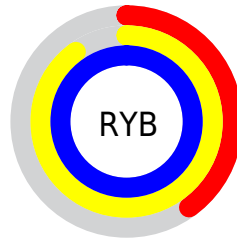
The XYZ color **45.5872, 76.0970, 34.4758** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.6809, 36.3971, 75.1131**, and the grayscale version is **52.4573, 55.1892, 60.1010**.

A 20% lighter version of the original color is **60.5630, 83.2578, 60.4553**, and **21.5953, 40.6051, 14.2888** is the 20% darker color. If you saturate the color by 10%, you get **41.8158, 74.3006, 27.6239**, and if you desaturate by 10%, it is **50.5265, 78.4637, 42.8230**.

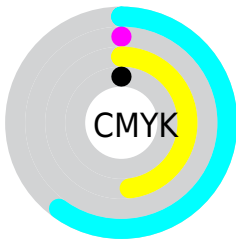
Distribution



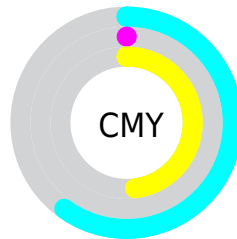
- Red (40%)
- Green (100%)
- Blue (52%)



- Red (40%)
- Yellow (90%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5872, 76.0970, 34.4758 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 45.5872, 76.0970, 34.4758 by changing the saturation by 10% instead.


 45.5872, 76.0970,
34.4758

 45.5872, 76.0970,
34.4758


359.8904,
481.6797, 337.0821


 32.1234, 56.5121,
22.9790


 82.8325, 127.8640,
67.8152

 21.6118, 40.6136,
14.3729


 107.3448,
160.8149, 90.4950

 13.6869, 28.0173,
8.2388


 136.2706,
198.9898, 117.7395

 7.9835, 18.3387,
4.1581

169.9753,
242.7732, 149.9673

 4.1361, 11.1934,
1.7125

208.8243,
292.5495, 187.5969

 1.7794, 6.1971,
0.3693

253.1829,

 0.5052, 2.9653,

348.7031, 231.0469

0.0000

303.4165,
411.6184, 280.7358

0.0000, 1.1136,
0.0000

0.0000, 0.0000,
0.0000

45.5872, 76.0970,
34.4758

45.5872, 76.0970,
34.4758

41.8158, 74.3006,
27.6239

50.5265, 78.4637,
42.8230

39.1111, 73.0240,
22.1749

56.7207, 81.4438,
52.7429

37.3557, 72.2090,
18.0321

64.2497, 85.0769,
64.3122

36.3731, 71.7667,
15.0830

73.1866, 89.3991,
77.6013

■ 36.3429, 71.7532,
14.9895

■ 83.5988, 94.4439,
92.6765

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.6510, 76.0970, 18.0991



45.5872, 76.0970, 34.4758



40.7327, 76.0970, 73.0253

Triad

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



45.5872, 76.0970, 34.4758



68.8083, 76.0970, 245.0860



112.6338, 76.0970, 45.3452

Complementary

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



45.5872, 76.0970, 34.4758



59.6809, 36.3971, 75.1131

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.



117.0909, 76.0970, 93.5331



45.5872, 76.0970, 34.4758



89.3057, 76.0970, 226.2645

Square

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



45.5872, 76.0970, 34.4758



52.4853, 76.0970, 206.8275



107.8944, 76.0970, 163.1709



96.6306, 76.0970, 22.0764

Rectangle

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



45.5872, 76.0970, 34.4758



41.4568, 76.0970, 113.3790



107.8944, 76.0970, 163.1709



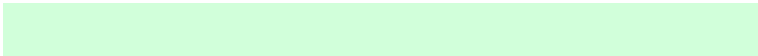
115.6416, 76.0970, 58.3718

Sweetspot

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



45.5876, 76.0972, 34.4770



74.7586, 90.1602, 79.9018



69.9290, 88.8520, 26.2970



15.3981, 19.0059, 16.2179



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.



45.5876, 76.0972, 34.4770



41.0756, 73.9498, 26.1956



52.6000, 78.9022, 71.4038



17.9181, 20.2268, 19.8717



19.0312, 37.5091, 8.0495



1.8893, 3.6667, 0.9750

Inverse Universe

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



59.6809, 36.3971, 75.1131



56.2735, 30.9194, 69.8552



51.6873, 33.1997, 33.0196



18.6299, 18.2353, 21.9343



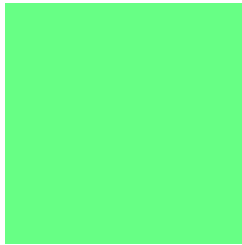
27.3401, 13.4253, 31.5049



2.6994, 1.3221, 3.2642

Previews

White Background



This preview shows how the XYZ color 45.5872, 76.0970, 34.4758 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 45.5872, 76.0970, 34.4758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

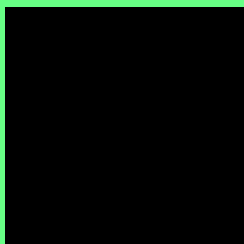
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

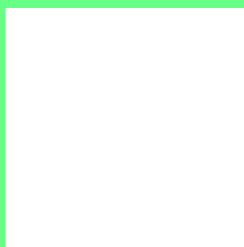
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5872, 76.0970, 34.4758

Background



This preview shows how black text looks on a background with the XYZ color 45.5872, 76.0970, 34.4758.

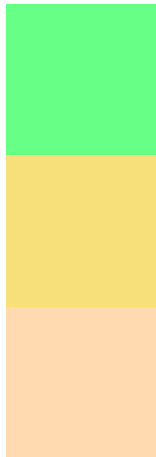


This preview shows how white text looks on a background with the XYZ color 45.5872, 76.0970,

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

45.5872, 76.0970, 34.4758

Protanopia

68.5263, 74.4906, 29.1788

Deuteranopia

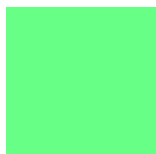
74.2472, 74.5771, 52.0765



Tritanopia

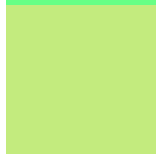
62.1421, 75.3376, 105.8741

Trichromacy



Original Color

45.5872, 76.0970, 34.4758



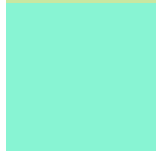
Protanomaly

55.9799, 72.5251, 30.7870



Deuteranomaly

58.8284, 72.0044, 44.5159



Tritanomaly

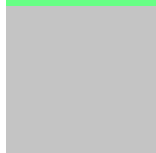
54.2619, 74.6388, 73.1748

Monochromacy



Original Color

45.5872, 76.0970, 34.4758



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2560, 60.3242, 48.6882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5872, 76.0970, 34.4758 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, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 133)  
}
```

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, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 45.5872, 76.0970, 34.4758 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, 255, 133) }
```


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

```
.border{ border-color:rgb(103, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5872, 76.0970, 34.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 133) }
```

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

```
.background{ background-color: rgb(103,  
255, 133) }
```

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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