

Converting Colors

XYZ(47.6163, 76.8955, 45.7561)

Have a look what the booklet for
XYZ(47.6163, 76.8955, 45.7561)
contains.

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Color

**XYZ(47.5847, 76.8828,
45.5896)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFA0
RGB	102, 255, 160
RGB Percent	40%, 100%, 63%
CMY	0.6000, 0.0000, 0.3725
CMYK	0.60, 0.00, 0.37, 0.00
HSL	143°, 100%, 70%
HSV	143°, 60%, 100%
XYZ	47.5847, 76.8828, 45.5896
YIQ	198.4230, -60.6930, -61.9810

Conversions

Conversions Part 2

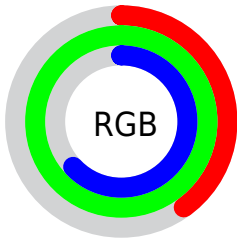
Format	Color
RYB	102, 213, 255
Decimal	6750112
CIELab	90.27, -61.03, 33.60
CIELCh	90, 69.666, 151.167
Yxy	76.8828, 0.2798, 0.4521
Android (android.graphics.Color)	4284940192 (0xFF66FFA0)
YUV	198.4230, -18.9425, -84.5630
Hunter-Lab	87.6828, -56.5746, 30.5509

Details

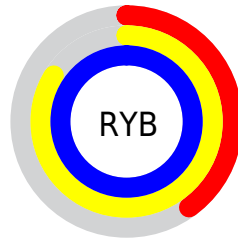
The XYZ color **47.5847, 76.8828, 45.5896** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.0698, 34.7947, 56.5846**, and the grayscale version is **54.0724, 56.8884, 61.9514**.

A 20% lighter version of the original color is **63.5428, 84.4256, 77.2367**, and **22.7861, 41.0796, 20.6381** is the 20% darker color. If you saturate the color by 10%, you get **43.8277, 75.0960, 38.6386**, and if you desaturate by 10%, it is **52.4078, 79.1989, 53.5140**.

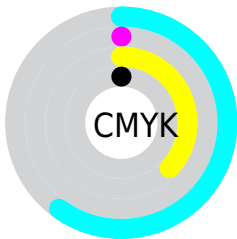
Distribution



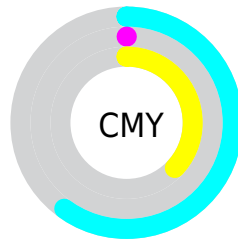
- Red (40%)
- Green (100%)
- Blue (63%)



- Red (40%)
- Yellow (84%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5847, 76.8828, 45.5896 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 47.5847, 76.8828, 45.5896 by changing the saturation by 10% instead.


 47.5847, 76.8828,
45.5896


 47.5847, 76.8828,
45.5896


367.7537,
484.3643, 385.3858


 33.7080, 57.1567,
31.5758


 85.7992, 128.9740,
84.9323

 22.8312, 41.1311,
20.7755


 110.8677,
162.1079, 111.0982

 14.5889, 28.4215,
12.7704


 140.3975,
200.4799, 142.1519

 8.6158, 18.6436,
7.1418

174.7540,
244.4743, 178.5119

 4.5466, 11.4131,
3.4711

214.3025,
294.4756, 220.5967

 2.0157, 6.3454,
1.3399

259.4083,

 0.6428, 3.0562,

350.8681, 268.8249

0.0942

310.4370,
414.0362, 323.6151

0.0000, 1.1612,
0.0000

0.0000, 0.0296,
0.0000

47.5847, 76.8828,
45.5896

47.5847, 76.8828,
45.5896

43.8277, 75.0960,
38.6386

52.4078, 79.1989,
53.5140

41.0439, 73.7913,
32.6182

58.3753, 82.0838,
62.4443

39.1262, 72.9142,
27.4882

65.5598, 85.5742,
72.4162

37.9023, 72.3769,
23.2012

74.0274, 89.7037,
83.4624

■ 37.9022, 72.3769,
23.2007

■ 83.8389, 94.5029,
95.6143

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.



57.1415, 76.8828, 25.7054



47.5847, 76.8828, 45.5896



44.5514, 76.8828, 85.6724

Triad

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



47.5847, 76.8828, 45.5896



73.7560, 76.8828, 220.0753



105.4786, 76.8828, 43.3797

Complementary

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



47.5847, 76.8828, 45.5896



56.0698, 34.7947, 56.5846

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.



111.7363, 76.8828, 81.7824



47.5847, 76.8828, 45.5896



91.7246, 76.8828, 194.8862

Square

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



47.5847, 76.8828, 45.5896



58.1457, 76.8828, 198.3227



106.3484, 76.8828, 138.7237



90.3627, 76.8828, 24.8303

Rectangle

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



47.5847, 76.8828, 45.5896



46.1834, 76.8828, 123.1436



106.3484, 76.8828, 138.7237



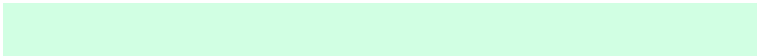
108.7861, 76.8828, 53.7492

Sweetspot

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



47.5853, 76.8831, 45.5909



75.8790, 90.6084, 85.8018



61.6854, 84.6080, 25.6511



15.6680, 19.1139, 17.6392



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.



47.5853, 76.8831, 45.5909



43.1957, 74.7979, 37.3604



56.1776, 80.3201, 90.8374



18.0564, 20.2821, 20.6002



19.8715, 37.8452, 12.4744



1.9859, 3.7053, 1.4838

Inverse Universe

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



56.0698, 34.7947, 56.5846



52.3179, 29.3372, 49.0254



49.5296, 32.1786, 22.1441



18.4836, 18.1768, 21.1639



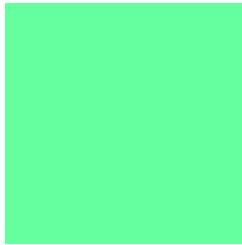
24.8635, 12.4347, 18.4636



2.4741, 1.2320, 2.0779

Previews

White Background



This preview shows how the XYZ color 47.5847, 76.8828, 45.5896 looks on a white background.

Color Contrast Check

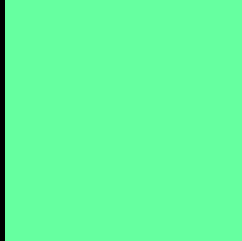
Large Text (above 18pt) WCAG AA × Fail

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 47.5847, 76.8828, 45.5896 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 47.5847, 76.8828, 45.5896

Background



This preview shows how black text looks on a background with the XYZ color 47.5847, 76.8828, 45.5896.



This preview shows how white text looks on a background with the XYZ color 47.5847, 76.8828,

45.5896.

Color Blindness Simulation

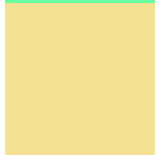
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



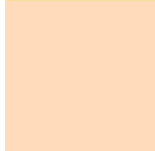
Original Color

47.5847, 76.8828, 45.5896



Protanopia

69.9267, 75.4010, 38.8853



Deuteranopia

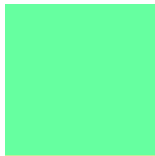
75.5412, 75.5109, 57.6073



Tritanopia

63.0171, 76.2221, 105.9987

Trichromacy



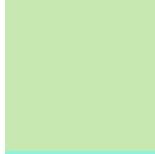
Original Color

47.5847, 76.8828, 45.5896



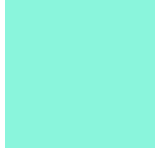
Protanomaly

57.6553, 73.5954, 40.8723



Deuteranomaly

60.3456, 73.0297, 52.5106



Tritanomaly

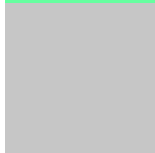
56.0519, 75.8754, 79.4013

Monochromacy



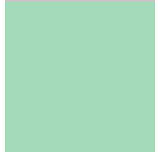
Original Color

47.5847, 76.8828, 45.5896



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.0875, 61.9103, 54.7101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5847, 76.8828, 45.5896 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, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 160)  
}
```

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, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.5847, 76.8828, 45.5896 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, 255, 160) }
```


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

```
.border{ border-color:rgb(102, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5847, 76.8828, 45.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 160) }
```

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

```
.background{ background-color: rgb(102,  
255, 160) }
```

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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