

Converting Colors

XYZ(47.5301, 76.8610, 45.3023)

Have a look what the booklet for
XYZ(47.5301, 76.8610, 45.3023)
contains.

XYZ(47.4975, 76.8480, 45.1307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.4975, 76.8480,
45.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF9F
RGB	102, 255, 159
RGB Percent	40%, 100%, 62%
CMY	0.6000, 0.0000, 0.3765
CMYK	0.60, 0.00, 0.38, 0.00
HSL	142°, 100%, 70%
HSV	142°, 60%, 100%
XYZ	47.4975, 76.8480, 45.1307
YIQ	198.3090, -60.3720, -62.2920

Conversions

Conversions Part 2

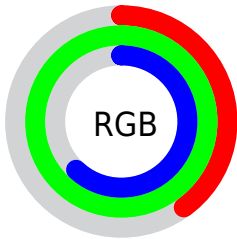
Format	Color
RYB	102, 213, 255
Decimal	6750111
CIELab	90.25, -61.20, 34.07
CIELCh	90, 70.049, 150.894
Yxy	76.8480, 0.2803, 0.4534
Android (android.graphics.Color)	4284940191 (0xFF66FF9F)
YUV	198.3090, -19.3793, -84.4630
Hunter-Lab	87.6630, -56.6955, 30.8404

Details

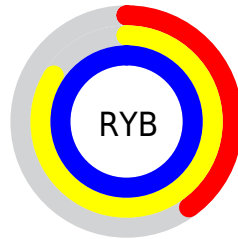
The XYZ color **47.4975, 76.8480, 45.1307** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **56.1846, 34.8404, 57.1894**, and the grayscale version is **54.0051, 56.8176, 61.8744**.

A 20% lighter version of the original color is **63.4146, 84.3744, 76.5619**, and **22.7338, 41.0587, 20.3626** is the 20% darker color. If you saturate the color by 10%, you get **43.7387, 75.0604, 38.1707**, and if you desaturate by 10%, it is **52.3255, 79.1659, 53.0815**.

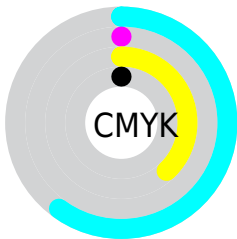
Distribution



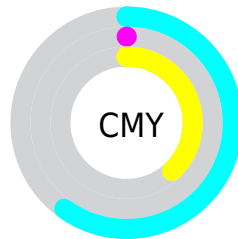
- Red (40%)
- Green (100%)
- Blue (62%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4975, 76.8480, 45.1307 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 47.4975, 76.8480, 45.1307 by changing the saturation by 10% instead.


 47.4975, 76.8480,
45.1307


 47.4975, 76.8480,
45.1307


367.4127,
484.2456, 383.4782


 33.6387, 57.1281,
31.2167


 85.6700, 128.9249,
84.2370

 22.7778, 41.1081,
20.5041


 110.7144,
162.0507, 110.2664

 14.5493, 28.4036,
12.5743

 140.2181,
200.4140, 141.1714

 8.5879, 18.6301,
7.0088

174.5464,
244.3991, 177.3704

 4.5283, 11.4033,
3.3891

214.0646,
294.3904, 219.2821

 2.0052, 6.3388,
1.2966

259.1382,

 0.6369, 3.0522,

350.7723, 267.3249

0.0590

310.1324,
413.9293, 321.9174

0.0000, 1.1590,
0.0000

0.0000, 0.0279,
0.0000

47.4975, 76.8480,
45.1307

47.4975, 76.8480,
45.1307

43.7387, 75.0604,
38.1707

52.3255, 79.1659,
53.0815

40.9563, 73.7563,
32.1576

58.3016, 82.0542,
62.0568

39.0428, 72.8809,
27.0496

65.4983, 85.5496,
72.0935

37.8258, 72.3463,
22.7980

73.9820, 89.6855,
83.2252

■ 37.8257, 72.3463,
22.7976

■ 83.8139, 94.4929,
95.4842

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.



57.1491, 76.8480, 25.3782



47.4975, 76.8480, 45.1307



44.3941, 76.8480, 85.1817

Triad

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



47.4975, 76.8480, 45.1307



73.5661, 76.8480, 221.0184



105.7417, 76.8480, 43.4329

Complementary

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



47.4975, 76.8480, 45.1307



56.1846, 34.8404, 57.1894

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.



111.9392, 76.8480, 82.1850



47.4975, 76.8480, 45.1307



91.6373, 76.8480, 196.0235

Square

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



47.4975, 76.8480, 45.1307



57.9220, 76.8480, 198.6783



106.4126, 76.8480, 139.5862



90.5873, 76.8480, 24.7078

Rectangle

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



47.4975, 76.8480, 45.1307



45.9914, 76.8480, 122.7880



106.4126, 76.8480, 139.5862



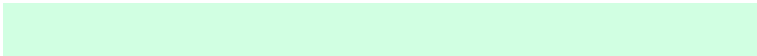
109.0404, 76.8480, 53.8977

Sweetspot

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



47.4980, 76.8482, 45.1320



75.8378, 90.5919, 85.5847



61.6853, 84.6079, 25.6508



15.6580, 19.1099, 17.5867



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.



47.4980, 76.8482, 45.1320



43.1070, 74.7624, 36.8929



56.1775, 80.3200, 90.8373



18.0514, 20.2801, 20.5737



19.8308, 37.8289, 12.2602



1.9816, 3.7036, 1.4610

Inverse Universe

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



56.1846, 34.8404, 57.1894



52.4455, 29.3882, 49.6969



49.5294, 32.1783, 22.1438



18.4888, 18.1788, 21.1913



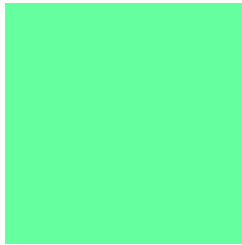
24.9389, 12.4648, 18.8603



2.4811, 1.2348, 2.1150

Previews

White Background



This preview shows how the XYZ color 47.4975, 76.8480, 45.1307 looks on a white background.

Color Contrast Check

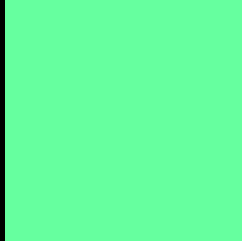
Large Text (above 18pt) WCAG AA × Fail

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 47.4975, 76.8480, 45.1307 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 47.4975, 76.8480, 45.1307

Background



This preview shows how black text looks on a background with the XYZ color 47.4975, 76.8480, 45.1307.

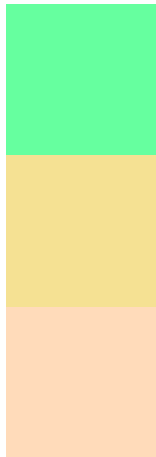


This preview shows how white text looks on a background with the XYZ color 47.4975, 76.8480, 45.1307.

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

47.4975, 76.8480, 45.1307

Protanopia

69.8479, 75.3695, 38.4702

Deuteranopia

75.4344, 75.4682, 57.0454



Tritanopia

62.8211, 76.1211, 105.9896

Trichromacy



Original Color

47.4975, 76.8480, 45.1307



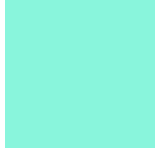
Protanomaly

57.5737, 73.5627, 40.4427



Deuteranomaly

60.2463, 72.9899, 51.9874



Tritanomaly

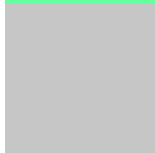
55.8872, 75.7905, 79.3936

Monochromacy



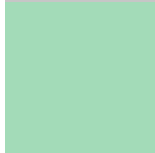
Original Color

47.4975, 76.8480, 45.1307



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 47.4975, 76.8480, 45.1307 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 47.4975, 76.8480, 45.1307 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, 159) }
```


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

```
.border{ border-color:rgb(102, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4975, 76.8480, 45.1307 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, 159) }
```

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

```
.background{ background-color: rgb(102,  
255, 159) }
```

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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