

Converting Colors

XYZ(49.0466, 80.1214, 41.1563)

Have a look what the booklet for
XYZ(49.0466, 80.1214, 41.1563)
contains.

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Color

**XYZ(47.4915, 76.9411,
40.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFF95
RGB	109, 255, 149
RGB Percent	43%, 100%, 58%
CMY	0.5725, 0.0000, 0.4157
CMYK	0.57, 0.00, 0.42, 0.00
HSL	136°, 100%, 71%
HSV	136°, 57%, 100%
XYZ	47.4915, 76.9411, 40.7818
YIQ	199.2620, -52.9900, -63.9180

Conversions

Conversions Part 2

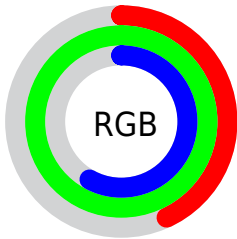
Format	Color
RYB	109, 224, 255
Decimal	7208853
CIELab	90.29, -61.40, 39.10
CIElCh	90, 72.796, 147.513
Yxy	76.9411, 0.2875, 0.4657
Android (android.graphics.Color)	4285398933 (0xFF6DFF95)
YUV	199.2620, -24.7792, -79.1598
Hunter-Lab	87.7161, -56.8591, 33.8356

Details

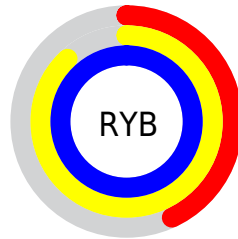
The XYZ color **47.4915, 76.9411, 40.7818** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.9745, 37.1040, 68.3431**, and the grayscale version is **54.6169, 57.4612, 62.5753**.

A 20% lighter version of the original color is **63.4537, 84.5376, 70.0998**, and **22.7836, 41.1357, 18.0484** is the 20% darker color. If you saturate the color by 10%, you get **43.4340, 75.0068, 33.4803**, and if you desaturate by 10%, it is **52.6947, 79.4389, 49.3659**.

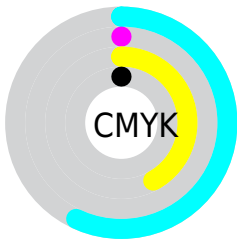
Distribution



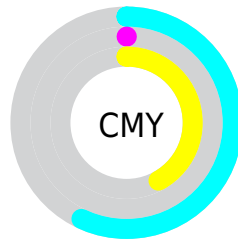
- Red (43%)
- Green (100%)
- Blue (58%)



- Red (43%)
- Yellow (88%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4915, 76.9411, 40.7818 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 47.4915, 76.9411, 40.7818 by changing the saturation by 10% instead.


 47.4915, 76.9411,
40.7818


 47.4915, 76.9411,
40.7818

367.3892,
484.5632, 365.0574


 33.6339, 57.2045,
27.8302


 85.6611, 129.0563,
77.6026

 22.7741, 41.1695,
17.9598


 110.7039,
162.2038, 102.3089

 14.5466, 28.4515,
10.7520


 140.2057,
200.5903, 131.7706

 8.5860, 18.6663,
5.7882

174.5321,
244.6004, 166.4060

 4.5271, 11.4294,
2.6501

214.0482,
294.6183, 206.6339

 2.0044, 6.3564,
0.9181

259.1196,

 0.6365, 3.0630,

351.0284, 252.8728

0.0000

310.1115,
414.2153, 305.5411

0.0000, 1.1647,
0.0000

0.0000, 0.0326,
0.0000

47.4915, 76.9411,
40.7818

47.4915, 76.9411,
40.7818

43.4340, 75.0068,
33.4803

52.6947, 79.4389,
49.3659

40.4283, 73.5889,
27.3955

59.1238, 82.5403,
59.2867

38.3677, 72.6337,
22.4612

66.8534, 86.2826,
70.5997

37.1159, 72.0725,
18.6026

75.9516, 90.7000,
83.3560

■ 36.8612, 71.9605,
17.7190

■ 86.4816, 95.8240,
97.6042

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.



58.1804, 76.9411, 22.7642



47.4915, 76.9411, 40.7818



43.5404, 76.9411, 79.5181

Triad

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



47.4915, 76.9411, 40.7818



71.6280, 76.9411, 228.3288



108.6074, 76.9411, 45.6033

Complementary

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



47.4915, 76.9411, 40.7818



58.9745, 37.1040, 68.3431

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.



113.7762, 76.9411, 88.1828



47.4915, 76.9411, 40.7818



90.4438, 76.9411, 207.1722

Square

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



47.4915, 76.9411, 40.7818



55.9599, 76.9411, 199.3510



106.6504, 76.9411, 149.6493



93.4961, 76.9411, 24.6304

Rectangle

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



47.4915, 76.9411, 40.7818



44.6703, 76.9411, 117.5513



106.6504, 76.9411, 149.6493



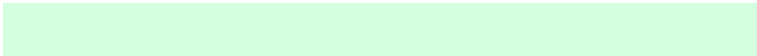
111.6641, 76.9411, 57.1821

Sweetspot

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



47.4920, 76.9414, 40.7831



76.2011, 90.8213, 83.6992



66.8592, 87.2334, 27.7825



15.8932, 19.2368, 17.3396



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.



47.4920, 76.9414, 40.7831



42.8361, 74.7234, 32.3320



55.1093, 79.9883, 80.8951



17.9760, 20.2499, 20.1766



19.3142, 37.6223, 9.5400



1.9242, 3.6806, 1.1587

Inverse Universe

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



58.9745, 37.1040, 68.3431



55.2768, 31.3541, 62.0374



51.6720, 34.1830, 29.8883



18.5678, 18.2104, 21.6074



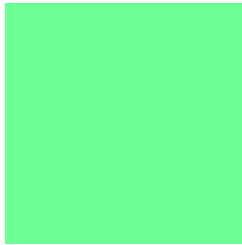
26.1981, 12.9685, 25.4915



2.5969, 1.2811, 2.7246

Previews

White Background



This preview shows how the XYZ color 47.4915, 76.9411, 40.7818 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 47.4915, 76.9411, 40.7818 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 47.4915, 76.9411, 40.7818

Background



This preview shows how black text looks on a background with the XYZ color 47.4915, 76.9411, 40.7818.

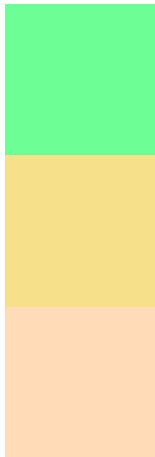


This preview shows how white text looks on a background with the XYZ color 47.4915, 76.9411,

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

47.4915, 76.9411, 40.7818

Protanopia

69.5187, 75.2782, 34.9109

Deuteranopia

75.2232, 75.3837, 55.9332



Tritanopia

63.4137, 76.4266, 106.0173

Trichromacy



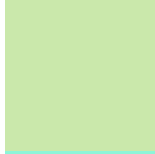
Original Color

47.4915, 76.9411, 40.7818



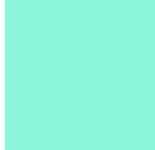
Protanomaly

57.6429, 73.6797, 36.7747



Deuteranomaly

60.5644, 73.2101, 49.4669



Tritanomaly

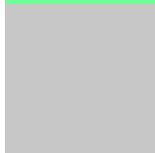
56.0316, 75.9254, 76.6676

Monochromacy



Original Color

47.4915, 76.9411, 40.7818



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.3979, 62.1062, 53.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4915, 76.9411, 40.7818 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(109, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 149)  
}
```

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(109, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 47.4915, 76.9411, 40.7818 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(109, 255, 149) }
```


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

```
.border{ border-color:rgb(109, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4915, 76.9411, 40.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 149) }
```

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

```
.background{ background-color: rgb(109,  
255, 149) }
```

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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