

Converting Colors

XYZ(47.2142, 75.5849, 31.8399)

Have a look what the booklet for
XYZ(47.2142, 75.5849, 31.8399)
contains.

XYZ(47.1805, 75.5628, 31.8371)	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(47.1805, 75.5628,
31.8371)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFC7E
RGB	126, 252, 126
RGB Percent	49%, 99%, 49%
CMY	0.5059, 0.0117, 0.5059
CMYK	0.50, 0.00, 0.50, 0.01
HSL	120°, 95%, 74%
HSV	120°, 50%, 99%
XYZ	47.1805, 75.5628, 31.8371
YIQ	199.9620, -34.6500, -65.8980

Conversions

Conversions Part 2

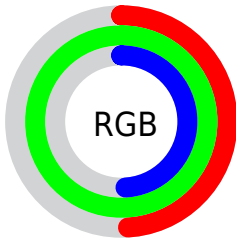
Format	Color
RYB	126, 252, 252
Decimal	8322174
CIELab	89.66, -59.52, 49.42
CIELCh	90, 77.363, 140.297
Yxy	75.5628, 0.3052, 0.4888
Android (android.graphics.Color)	4286512254 (0xFF7EFC7E)
YUV	199.9620, -36.4633, -64.8647
Hunter-Lab	86.9269, -55.2392, 39.1338

Details

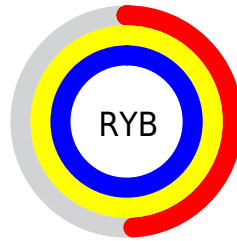
The XYZ color **47.1805, 75.5628, 31.8371** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65.1786, 42.6467, 96.8936**, and the grayscale version is **55.1107, 57.9808, 63.1411**.

A 20% lighter version of the original color is **64.3502, 85.2953, 56.7881**, and **22.4810, 40.0887, 12.8564** is the 20% darker color. If you saturate the color by 10%, you get **42.4958, 73.3148, 24.1729**, and if you desaturate by 10%, it is **53.2143, 78.4634, 41.7052**.

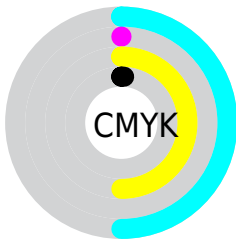
Distribution



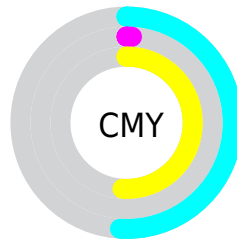
- Red (49%)
- Green (99%)
- Blue (49%)



- Red (49%)
- Yellow (99%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (1%)





- Cyan (51%)
- Magenta (1%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1805, 75.5628, 31.8371 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 47.1805, 75.5628, 31.8371 by changing the saturation by 10% instead.


 47.1805, 75.5628,
31.8371


 47.1805, 75.5628,
31.8371


366.1714,
479.8498, 324.8463


 33.3869, 56.0741,
20.9733


 85.2001, 127.1087,
63.6506

 22.5837, 40.2623,
12.9134


 110.1568,
159.9347, 85.4373

 14.4054, 27.7431,
7.2389


 139.5653,
197.9752, 111.7022

 8.4867, 18.1321,
3.5313

173.7909,
241.6147, 142.8636

 4.4624, 11.0449,
1.3719

213.1989,
291.2375, 179.3402

 1.9669, 6.0970,
0.1197

258.1548,

 0.6153, 2.9042,

347.2280, 221.5505

0.0000

309.0239,
409.9706, 269.9130

0.0000, 1.0819,
0.0000

0.0000, 0.0000,
0.0000

47.1805, 75.5628,
31.8371

47.1805, 75.5628,
31.8371

42.4958, 73.3148,
24.1729

53.2143, 78.4634,
41.7052

39.0515, 71.6603,
18.5391


60.6839, 82.0514,
53.9230


36.7316, 70.5459,
14.7443


69.6753, 86.3705,
68.6301

35.3954, 69.9041,
12.5586

80.2663, 91.4579,
85.9535

 34.8119, 69.6238,
11.6041

 92.5292, 97.3484,
106.0115

 94.1019, 98.1038,
108.5840

Harmonies

Analogous

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



59.8571, 75.5628, 17.9218



47.1805, 75.5628, 31.8371



41.4465, 75.5628, 65.8430

Triad

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



47.1805, 75.5628, 31.8371



65.8265, 75.5628, 234.8852



111.9082, 75.5628, 51.0068

Complementary

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



47.1805, 75.5628, 31.8371



65.1786, 42.6467, 96.8936

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.



114.2757, 75.5628, 101.2360



47.1805, 75.5628, 31.8371



85.2796, 75.5628, 224.9474

Square

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



47.1805, 75.5628, 31.8371



50.8847, 75.5628, 192.1427



103.8205, 75.5628, 169.0446



97.8300, 75.5628, 25.1085

Rectangle

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



47.1805, 75.5628, 31.8371



41.4922, 75.5628, 102.4711



103.8205, 75.5628, 169.0446



114.1858, 75.5628, 64.9239

Sweetspot

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



47.1824, 75.5660, 31.8388



76.7930, 91.2302, 79.0376



78.7245, 91.8266, 33.3140



15.9538, 19.2950, 16.1272



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.



47.1824, 75.5660, 31.8388



43.6379, 75.3042, 24.8064



52.6019, 77.7338, 60.3775



17.0175, 19.3093, 18.2926



18.1331, 36.2663, 6.0445



1.6794, 3.3589, 0.5599

Inverse Universe

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



65.1786, 42.6467, 96.8936



64.0409, 37.9825, 98.5611



56.7932, 39.2925, 52.7366



17.9931, 17.5246, 21.8195



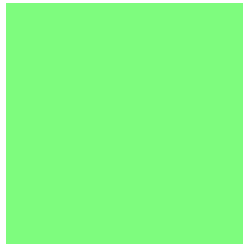
30.0643, 14.4414, 49.1742



2.7845, 1.3375, 4.5544

Previews

White Background



This preview shows how the XYZ color 47.1805, 75.5628, 31.8371 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 47.1805, 75.5628, 31.8371 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 47.1805, 75.5628, 31.8371

Background



This preview shows how black text looks on a background with the XYZ color 47.1805, 75.5628, 31.8371.

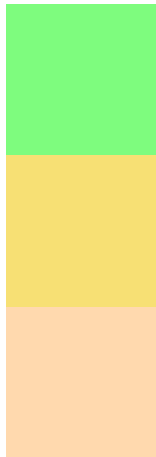


This preview shows how white text looks on a background with the XYZ color 47.1805, 75.5628, 31.8371.

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

47.1805, 75.5628, 31.8371

Protanopia

68.1658, 74.3464, 27.2806

Deuteranopia

73.6928, 73.9417, 50.4325



Tritanopia

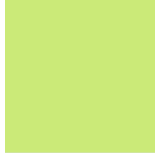
62.6323, 75.1593, 105.8139

Trichromacy



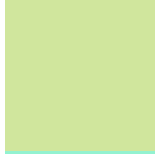
Original Color

47.1805, 75.5628, 31.8371



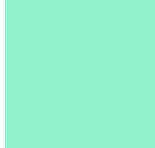
Protanomaly

57.4416, 72.8982, 28.8126



Deuteranomaly

60.3950, 72.4378, 42.6970



Tritanomaly

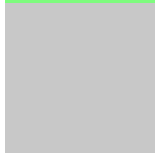
55.1699, 74.2614, 71.1006

Monochromacy



Original Color

47.1805, 75.5628, 31.8371



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.1079, 62.5644, 48.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1805, 75.5628, 31.8371 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(126, 252, 126)` looks like.

```
.text, #text, p{  
    color:rgb(126, 252, 126)  
}
```

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(126, 252, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 252, 126) }
```

Border

The CSS property to change the border of an element to XYZ 47.1805, 75.5628, 31.8371 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(126, 252, 126) }
```


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

```
.border{ border-color:rgb(126, 252, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 252, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 252, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 252, 126);  
box-shadow:4px 4px 4px 4px rgb(126, 252,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1805, 75.5628, 31.8371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 252, 126) }
```

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

```
.background{ background-color: rgb(126,  
252, 126) }
```

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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