

Converting Colors

XYZ(54.3956, 90.2563, 55.2315)

Have a look what the booklet for
XYZ(54.3956, 90.2563, 55.2315)
contains.

| | |
|--|----|
| XYZ(47.6177, 76.7390, 52.8598) | 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(47.6177, 76.7390,
52.8598)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 59FFAF |
| RGB | 89, 255, 175 |
| RGB Percent | 35%, 100%, 69% |
| CMY | 0.6510, 0.0000, 0.3137 |
| CMYK | 0.65, 0.00, 0.31, 0.00 |
| HSL | 151°, 100%, 67% |
| HSV | 151°, 65%, 100% |
| XYZ | 47.6177, 76.7390, 52.8598 |
| YIQ | 196.2460, -73.2560, -60.0720 |

Conversions

Conversions Part 2

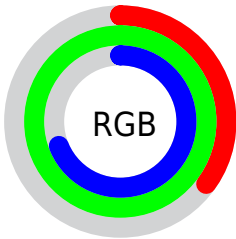
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 89, 198, 255 |
| Decimal | 5898159 |
| CIELab | 90.20, -60.65, 25.92 |
| CIELCh | 90, 65.958, 156.862 |
| Yxy | 76.7390, 0.2687, 0.4330 |
| Android (android.graphics.Color) | 4284088239 (0xFF59FFAF) |
| YUV | 196.2460, -10.4743, -94.0547 |
| Hunter-Lab | 87.6008, -56.2731, 25.5440 |

Details

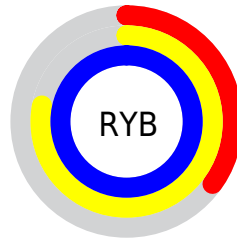
The XYZ color **47.6177, 76.7390, 52.8598** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **51.9743, 31.2701, 40.8333**, and the grayscale version is **52.7097, 55.4547, 60.3902**.

A 20% lighter version of the original color is **63.5102, 84.1595, 88.4984**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **44.4274, 75.2275, 46.6946**, and if you desaturate by 10%, it is **51.7661, 78.7317, 59.6459**.

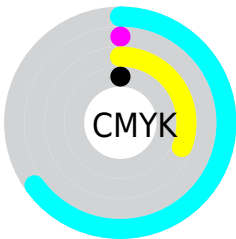
Distribution



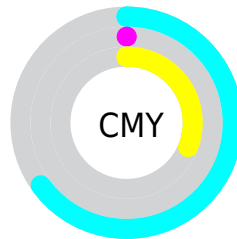
- Red (35%)
- Green (100%)
- Blue (69%)



- Red (35%)
- Yellow (78%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6177, 76.7390, 52.8598 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 47.6177, 76.7390, 52.8598 by changing the saturation by 10% instead.


 47.6177, 76.7390,
52.8598


 47.6177, 76.7390,
52.8598


367.8826,
483.8737, 414.7980


 33.7342, 57.0387,
37.3039


 85.8481, 128.7710,
95.8375


 22.8514, 41.0363,
25.1452


 110.9257,
161.8715, 124.0964

 14.6039, 28.3475,
15.9653


 140.4654,
200.2074, 157.4266

 8.6264, 18.5877,
9.3455

 174.8325,
244.1633, 196.2469

 4.5534, 11.3728,
4.8673

214.3925,
294.1235, 240.9756

 2.0198, 6.3182,
2.1123

259.5106,

 0.6450, 3.0395,

350.4723, 292.0313

0.6231

310.5522,
413.5943, 349.8326

0.0000, 1.1524,
0.0000

0.0000, 0.0223,
0.0000

47.6177, 76.7390,
52.8598

47.6177, 76.7390,
52.8598

44.4274, 75.2275,
46.6946

51.7661, 78.7317,
59.6459

42.0987, 74.1478,
41.1267

56.9523, 81.2464,
67.0674

40.5160, 73.4407,
36.1362

63.2494, 84.3204,
75.1431

39.9323, 73.1889,
33.8912

70.7230, 87.9873,
83.8897

■ 79.4336, 92.2780,
93.3233

■ 89.4372, 97.2211,
103.4593

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.



55.6124, 76.7390, 30.1330



47.6177, 76.7390, 52.8598



45.9001, 76.7390, 94.8146

Triad

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



47.6177, 76.7390, 52.8598



76.7702, 76.7390, 209.0869



101.1831, 76.7390, 40.2509

Complementary

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



47.6177, 76.7390, 52.8598



51.9743, 31.2701, 40.8333

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.



108.9320, 76.7390, 73.2254



47.6177, 76.7390, 52.8598



93.5334, 76.7390, 178.6200

Square

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



47.6177, 76.7390, 52.8598



61.2373, 76.7390, 197.1271



105.9412, 76.7390, 124.2962



86.0418, 76.7390, 24.9911

Rectangle

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



47.6177, 76.7390, 52.8598



48.2722, 76.7390, 131.3551



105.9412, 76.7390, 124.2962



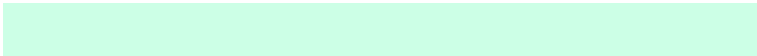
104.8347, 76.7390, 49.0372

Sweetspot

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



47.6183, 76.7393, 52.8611



75.0041, 90.0943, 88.6107



53.9761, 80.7024, 22.1844



15.5400, 19.0308, 18.4043



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.



47.6183, 76.7393, 52.8611



43.6671, 74.8719, 45.0172



57.0540, 79.1115, 106.8707



18.1645, 20.3253, 21.1695



20.9414, 38.2732, 18.1086



2.0942, 3.7486, 2.0540

Inverse Universe

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



51.9743, 31.2701, 40.8333



48.3228, 26.3636, 32.2282



46.8507, 29.5960, 12.6954



18.3740, 18.1329, 20.5869



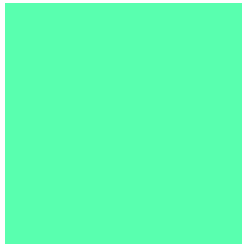
23.4879, 11.8845, 11.2198



2.3418, 1.1791, 1.3814

Previews

White Background



This preview shows how the XYZ color 47.6177, 76.7390, 52.8598 looks on a white background.

Color Contrast Check

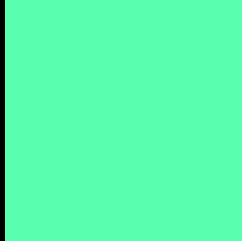
Large Text (above 18pt) WCAG AA × Fail

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 47.6177, 76.7390, 52.8598 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 47.6177, 76.7390, 52.8598

Background



This preview shows how black text looks on a background with the XYZ color 47.6177, 76.7390, 52.8598.



This preview shows how white text looks on a background with the XYZ color 47.6177, 76.7390,

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

47.6177, 76.7390, 52.8598

Protanopia

70.0648, 75.3363, 45.0310

Deuteranopia

75.8258, 75.2086, 60.3894



Tritanopia

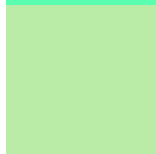
62.5365, 76.4102, 106.0604

Trichromacy



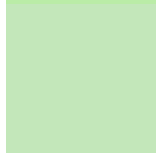
Original Color

47.6177, 76.7390, 52.8598



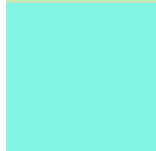
Protanomaly

57.2202, 73.2200, 47.6763



Deuteranomaly

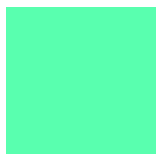
59.9445, 72.2991, 57.2501



Tritanomaly

55.5858, 75.5416, 83.6028

Monochromacy



Original Color

47.6177, 76.7390, 52.8598



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.7946, 60.4246, 56.7210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6177, 76.7390, 52.8598 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(89, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 175)  
}
```

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(89, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 47.6177, 76.7390, 52.8598 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(89, 255, 175) }
```


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

```
.border{ border-color:rgb(89, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(89, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6177, 76.7390, 52.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 175) }
```

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

```
.background{ background-color: rgb(89, 255,  
175) }
```

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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