

Converting Colors

XYZ(48.1032, 76.9935, 52.6928)

Have a look what the booklet for
XYZ(48.1032, 76.9935, 52.6928)
contains.

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Color

**XYZ(48.1140, 76.9948,
52.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	5EFFAF
RGB	94, 255, 175
RGB Percent	37%, 100%, 69%
CMY	0.6314, 0.0000, 0.3137
CMYK	0.63, 0.00, 0.31, 0.00
HSL	150°, 100%, 68%
HSV	150°, 63%, 100%
XYZ	48.1140, 76.9948, 52.8831
YIQ	197.7410, -70.2760, -59.0120

Conversions

Conversions Part 2

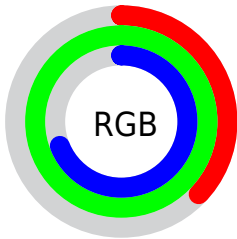
Format	Color
RYB	94, 201, 255
Decimal	6225839
CIELab	90.32, -59.79, 26.10
CIElCh	90, 65.233, 156.417
Yxy	76.9948, 0.2703, 0.4326
Android (android.graphics.Color)	4284415919 (0xFF5E9FAF)
YUV	197.7410, -11.2113, -90.9809
Hunter-Lab	87.7467, -55.6801, 25.6898

Details

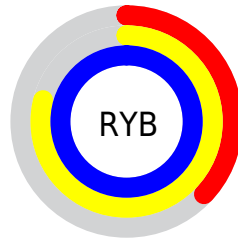
The XYZ color **48.1140, 76.9948, 52.8831** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **52.8832, 32.3222, 43.4968**, and the grayscale version is **53.6160, 56.4083, 61.4286**.

A 20% lighter version of the original color is **64.2844, 84.5586, 88.5346**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **44.7304, 75.3876, 46.5310**, and if you desaturate by 10%, it is **52.4791, 79.0945, 59.8933**.

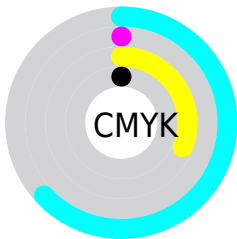
Distribution



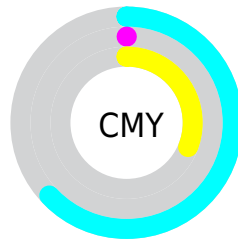
- Red (37%)
- Green (100%)
- Blue (69%)



- Red (37%)
- Yellow (79%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1140, 76.9948, 52.8831 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 48.1140, 76.9948, 52.8831 by changing the saturation by 10% instead.


 48.1140, 76.9948,
52.8831


 48.1140, 76.9948,
52.8831


369.8189,
484.7463, 414.8900


 34.1288, 57.2486,
37.3224


 86.5828, 129.1321,
95.8721


 23.1559, 41.2049,
25.1594


 111.7971,
162.2921, 124.1375

 14.8300, 28.4792,
15.9758

 141.4851,
200.6921, 157.4749

 8.7857, 18.6872,
9.3529

 176.0123,
244.7165, 196.3027

 4.6577, 11.4445,
4.8721

215.7438,
294.7497, 241.0396

 2.0805, 6.3666,
2.1150

261.0452,

 0.6786, 3.0693,

351.1761, 292.1041

0.6247

312.2818,
414.3802, 349.9147

0.0000, 1.1680,
0.0000

0.0000, 0.0353,
0.0000

48.1140, 76.9948,
52.8831

48.1140, 76.9948,
52.8831

44.7304, 75.3876,
46.5310

52.4791, 79.0945,
59.8933

42.2342, 74.2248,
40.8121

57.9034, 81.7264,
67.5776

40.5150, 73.4497,
35.7051

64.4589, 84.9272,
75.9559

39.6756, 73.0862,
32.5391

72.2104, 88.7301,
85.0462

■ 81.2176, 93.1654,
94.8657

■ 91.5361, 98.2617,
105.4310

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.



56.1523, 76.9948, 30.4676



48.1140, 76.9948, 52.8831



46.3116, 76.9948, 94.2406

Triad

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



48.1140, 76.9948, 52.8831



76.7300, 76.9948, 207.9350



101.3203, 76.9948, 41.1356

Complementary

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



48.1140, 76.9948, 52.8831



52.8832, 32.3222, 43.4968

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.



108.8368, 76.9948, 74.2236



48.1140, 76.9948, 52.8831



93.3458, 76.9948, 178.4515

Square

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



48.1140, 76.9948, 52.8831



61.3769, 76.9948, 195.5215



105.7215, 76.9948, 124.9813



86.4096, 76.9948, 25.6520

Rectangle

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



48.1140, 76.9948, 52.8831



48.6096, 76.9948, 130.2909



105.7215, 76.9948, 124.9813



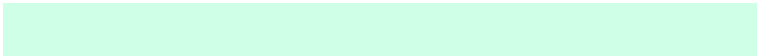
104.8888, 76.9948, 49.9865

Sweetspot

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



48.1146, 76.9952, 52.8844



75.7799, 90.4860, 89.0177



55.3482, 81.3847, 23.3823



15.6866, 19.1053, 18.4626



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.



48.1146, 76.9952, 52.8844



43.9290, 75.0113, 44.8290



58.4265, 81.1199, 107.1861



18.1528, 20.3207, 21.1077



20.8068, 38.2193, 17.3998



2.0810, 3.7433, 1.9846

Inverse Universe

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



52.8832, 32.3222, 43.4968



49.0478, 27.0702, 34.7615



47.2637, 30.0744, 13.9046



18.3857, 18.1376, 20.6485



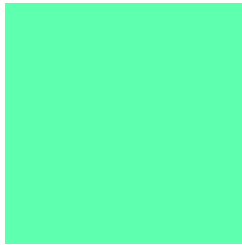
23.6157, 11.9356, 11.8929



2.3545, 1.1842, 1.4481

Previews

White Background



This preview shows how the XYZ color 48.1140, 76.9948, 52.8831 looks on a white background.

Color Contrast Check

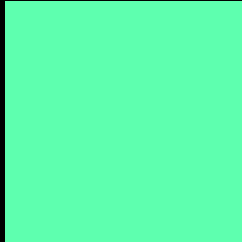
Large Text (above 18pt) WCAG AA × Fail

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 48.1140, 76.9948, 52.8831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

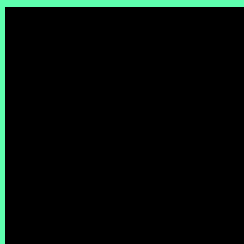
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1140, 76.9948, 52.8831

Background



This preview shows how black text looks on a background with the XYZ color 48.1140, 76.9948, 52.8831.



This preview shows how white text looks on a background with the XYZ color 48.1140, 76.9948,

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

48.1140, 76.9948, 52.8831

Protanopia

70.4089, 75.5137, 45.0471

Deuteranopia

75.9370, 75.2531, 60.9751



Tritanopia

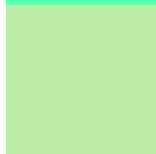
62.9204, 76.6081, 106.0783

Trichromacy



Original Color

48.1140, 76.9948, 52.8831



Protanomaly

57.9568, 73.5997, 47.7107



Deuteranomaly

60.2038, 72.4328, 57.2622



Tritanomaly

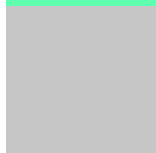
56.0527, 75.7823, 83.6247

Monochromacy



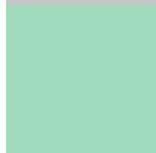
Original Color

48.1140, 76.9948, 52.8831



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.1230, 61.8543, 58.0652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1140, 76.9948, 52.8831 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(94, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 48.1140, 76.9948, 52.8831 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(94, 255, 175) }
```


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

```
.border{ border-color:rgb(94, 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(94, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1140, 76.9948, 52.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 175) }
```

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

```
.background{ background-color: rgb(94, 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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