

Converting Colors

XYZ(44.8180, 70.5406, 54.1776)

Have a look what the booklet for
XYZ(44.8180, 70.5406, 54.1776)
contains.

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Color

**XYZ(44.9151, 70.6748,
54.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	58F5B4
RGB	88, 245, 180
RGB Percent	35%, 96%, 71%
CMY	0.6549, 0.0392, 0.2941
CMYK	0.64, 0.00, 0.27, 0.04
HSL	155°, 89%, 65%
HSV	155°, 64%, 96%
XYZ	44.9151, 70.6748, 54.4543
YIQ	190.6470, -72.7070, -53.4990

Conversions

Conversions Part 2

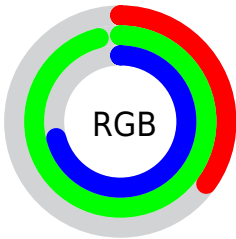
Format	Color
RYB	88, 187, 245
Decimal	5830068
CIELab	87.33, -55.92, 19.40
CIElCh	87, 59.190, 160.870
Yxy	70.6748, 0.2641, 0.4156
Android (android.graphics.Color)	4284020148 (0xFF58F5B4)
YUV	190.6470, -5.2490, -90.0214
Hunter-Lab	84.0683, -51.7525, 20.4434

Details

The XYZ color **44.9151, 70.6748, 54.4543** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **46.8980, 28.6934, 33.2062**, and the grayscale version is **49.3781, 51.9496, 56.5731**.

A 20% lighter version of the original color is **63.8492, 84.2515, 92.2538**, and **21.8140, 37.4987, 26.1669** is the 20% darker color. If you saturate the color by 10%, you get **41.9782, 69.2777, 49.1194**, and if you desaturate by 10%, it is **48.7104, 72.5094, 60.2273**.

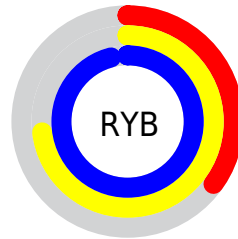
Distribution



Red (35%)

Green (96%)

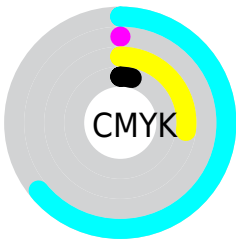
Blue (71%)



Red (35%)

Yellow (73%)

Blue (96%)

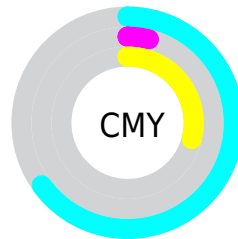


Cyan (64%)

Magenta (0%)

Yellow (27%)

Black (4%)



Cyan (65%)


Magenta (4%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9151, 70.6748, 54.4543 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 44.9151, 70.6748, 54.4543 by changing the saturation by 10% instead.

 44.9151, 70.6748,
54.4543


 44.9151, 70.6748,
54.4543


357.2191,
462.9158, 421.0635

 31.5916, 52.0769,
38.5693


 81.8308, 120.1706,
98.2041


 21.2037, 37.0663,
26.1196

 106.1538,
151.8372, 126.9060

 13.3863, 25.2589,
16.6866


 134.8738,
188.6288, 160.7173

 7.7739, 16.2700,
9.8517

 168.3564,
230.9298, 200.0565

 4.0012, 9.7154,
5.1964

206.9669,
279.1246, 245.3422

 1.7028, 5.2107,
2.3022


251.0706,

 0.4580, 2.3714,


333.5976, 296.9929


0.7325


301.0329,
394.7332, 355.4272


 0.0000, 0.8111,
0.0000


 0.0000, 0.0000,
0.0000


 44.9151, 70.6748,
54.4543


 44.9151, 70.6748,
54.4543


 41.9782, 69.2777,
49.1194


 48.7104, 72.5094,
60.2273


 39.8107, 68.2668,
44.2055


 53.4302, 74.8098,
66.4449


 38.3132, 67.5930,
39.7007


 59.1406, 77.6118,
73.1199

 37.6546, 67.3077,
37.2192

 65.8996, 80.9451,
80.2624

 73.7608, 84.8372,
87.8825

 82.7738, 89.3134,
95.9899

 91.3076, 93.5329,
104.5152

 91.9437, 93.7873,
107.8646

Harmonies

Analogous

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



51.1292, 70.6748, 32.3032



44.9151, 70.6748, 54.4543



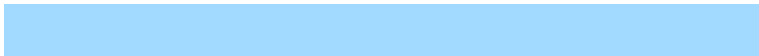
44.1560, 70.6748, 92.3430

Triad

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



44.9151, 70.6748, 54.4543



72.3527, 70.6748, 179.5300



89.5304, 70.6748, 36.8837

Complementary

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



44.9151, 70.6748, 54.4543



46.8980, 28.6934, 33.2062

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.



97.0581, 70.6748, 63.3753



44.9151, 70.6748, 54.4543



86.2674, 70.6748, 150.7477

Square

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



44.9151, 70.6748, 54.4543



58.7742, 70.6748, 174.5471



95.7876, 70.6748, 104.9250



76.3389, 70.6748, 24.8533

Rectangle

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



44.9151, 70.6748, 54.4543



46.7088, 70.6748, 123.3989



95.7876, 70.6748, 104.9250



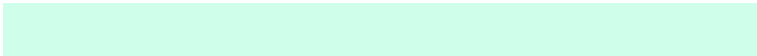
92.8843, 70.6748, 43.9251

Sweetspot

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



44.9170, 70.6776, 54.4559



76.3534, 90.7154, 92.0377



47.6317, 72.8253, 20.7796



15.8252, 19.1607, 19.1924



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.



44.9170, 70.6776, 54.4559



45.1543, 75.4837, 52.0843



49.3413, 66.3364, 96.5932



16.6896, 18.6350, 19.6495



20.3551, 36.2869, 20.4216



1.8401, 3.2097, 2.0639

Inverse Universe

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



46.8980, 28.6934, 33.2062



47.5155, 26.2439, 27.3505



44.0814, 29.4422, 12.5930



16.7836, 16.5963, 18.6072



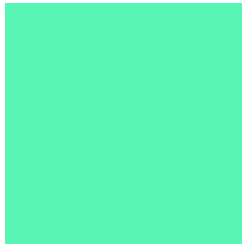
21.6282, 10.9947, 8.0166



1.9508, 0.9863, 0.9672

Previews

White Background



This preview shows how the XYZ color 44.9151, 70.6748, 54.4543 looks on a white background.

Color Contrast Check

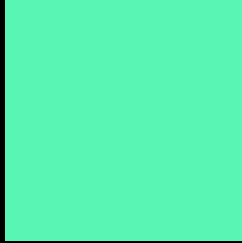
Large Text (above 18pt) WCAG AA × Fail

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 44.9151, 70.6748, 54.4543 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 44.9151, 70.6748, 54.4543

Background



This preview shows how black text looks on a background with the XYZ color 44.9151, 70.6748, 54.4543.



This preview shows how white text looks on a background with the XYZ color 44.9151, 70.6748,

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

44.9151, 70.6748, 54.4543

Protanopia

65.0666, 69.5715, 46.5585

Deuteranopia

70.5890, 69.1882, 57.2112



Tritanopia

54.6680, 70.2173, 104.4379

Trichromacy



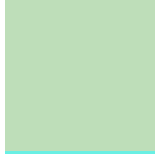
Original Color

44.9151, 70.6748, 54.4543



Protanomaly

53.7379, 67.6200, 49.2494



Deuteranomaly

56.1134, 66.6925, 55.8144



Tritanomaly

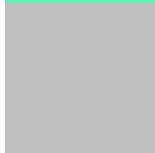
50.5573, 70.2823, 83.5742

Monochromacy



Original Color

44.9151, 70.6748, 54.4543



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.5903, 57.0464, 55.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9151, 70.6748, 54.4543 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(88, 245, 180)` looks like.

```
.text, #text, p{  
    color:rgb(88, 245, 180)  
}
```

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(88, 245, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 245, 180) }
```

Border

The CSS property to change the border of an element to XYZ 44.9151, 70.6748, 54.4543 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(88, 245, 180) }
```


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

```
.border{ border-color:rgb(88, 245, 180) }
```

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

Here you see how a box with a 4 pixel rgb(88, 245, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 245, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 245, 180);  
box-shadow:4px 4px 4px 4px rgb(88, 245,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9151, 70.6748, 54.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 245, 180) }
```

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

```
.background{ background-color: rgb(88, 245,  
180) }
```

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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