

Converting Colors

XYZ(44.2693, 71.0829, 49.1299)

Have a look what the booklet for
XYZ(44.2693, 71.0829, 49.1299)
contains.

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Color

**XYZ(44.1417, 70.8508,
48.8852)**

Conversions

Conversions Part 1

Format	Color
Hex	58F6A9
RGB	88, 246, 169
RGB Percent	35%, 96%, 66%
CMY	0.6549, 0.0353, 0.3372
CMYK	0.64, 0.00, 0.31, 0.04
HSL	151°, 90%, 65%
HSV	151°, 64%, 96%
XYZ	44.1417, 70.8508, 48.8852
YIQ	189.9800, -69.4510, -57.4430

Conversions

Conversions Part 2

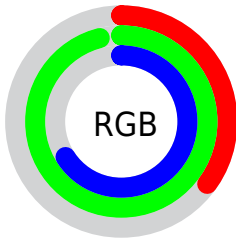
Format	Color
RYB	88, 192, 246
Decimal	5830313
CIELab	87.41, -58.54, 25.15
CIELCh	87, 63.714, 156.748
Yxy	70.8508, 0.2694, 0.4323
Android (android.graphics.Color)	4284020393 (0xFF58F6A9)
YUV	189.9800, -10.3431, -89.4365
Hunter-Lab	84.1729, -53.6942, 24.4871

Details

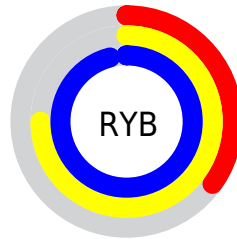
The XYZ color **44.1417, 70.8508, 48.8852** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **48.2896, 29.2905, 38.7084**, and the grayscale version is **49.0200, 51.5729, 56.1629**.

A 20% lighter version of the original color is **62.2995, 83.6316, 84.0932**, and **21.3500, 37.6561, 22.6661** is the 20% darker color. If you saturate the color by 10%, you get **41.1197, 69.4190, 43.1362**, and if you desaturate by 10%, it is **48.0559, 72.7345, 55.2178**.

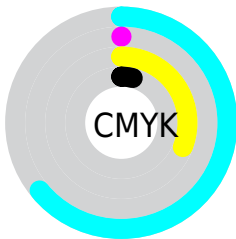
Distribution



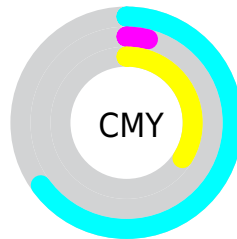
- Red (35%)
- Green (96%)
- Blue (66%)



- Red (35%)
- Yellow (75%)
- Blue (96%)



- Cyan (64%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (65%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.1417, 70.8508, 48.8852 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 44.1417, 70.8508, 48.8852 by changing the saturation by 10% instead.


 44.1417, 70.8508,
48.8852


 44.1417, 70.8508,
48.8852


354.1287,
463.5317, 398.8997


 30.9803, 52.2204,
34.1635


 80.6760, 120.4213,
89.9001


 20.7356, 37.1808,
22.7408


 104.7795,
152.1302, 117.0304

 13.0422, 25.3475,
14.1988


 133.2612,
188.9674, 149.1340

 7.5348, 16.3362,
8.1187

 166.4863,
231.3172, 186.6294

 3.8481, 9.7623,
4.0821

204.8203,
279.5642, 229.9351

 1.6165, 5.2417,
1.6705

248.6284,

 0.4032, 2.3897,

334.0927, 279.4697

0.3404

298.2761,
395.2871, 335.6517

■ 0.0000, 0.8206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.1417, 70.8508,
48.8852

■ 44.1417, 70.8508,
48.8852

■ 41.1197, 69.4190,
43.1362

■ 48.0559, 72.7345,
55.2178

■ 38.8990, 68.3867,
37.9477


■ 52.9306, 75.0992,
62.1465


■ 37.3774, 67.7035,
33.3012


■ 58.8335, 77.9814,
69.6894


■ 36.7303, 67.4234,
30.8553

■ 65.8244, 81.4117,
77.8621

 73.9582, 85.4181,
86.6798

 83.2862, 90.0267,
96.1568

 91.9148, 94.2612,
106.2163

 92.2471, 94.3941,
107.9657

Harmonies

Analogous

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



51.4998, 70.8508, 28.0410



44.1417, 70.8508, 48.8852



42.5425, 70.8508, 87.2763

Triad

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



44.1417, 70.8508, 48.8852



70.7921, 70.8508, 191.8663



93.2313, 70.8508, 37.4889

Complementary

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



44.1417, 70.8508, 48.8852



48.2896, 29.2905, 38.7084

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.



100.2819, 70.8508, 67.8288



44.1417, 70.8508, 48.8852



86.1384, 70.8508, 164.1965

Square

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



44.1417, 70.8508, 48.8852



56.5728, 70.8508, 180.8071



97.5102, 70.8508, 114.6152



79.3968, 70.8508, 23.3769

Rectangle

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



44.1417, 70.8508, 48.8852



44.7060, 70.8508, 120.6736



97.5102, 70.8508, 114.6152



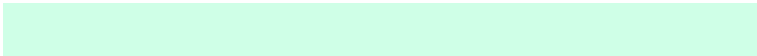
96.5602, 70.8508, 45.5882

Sweetspot

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



44.1436, 70.8537, 48.8868



75.8452, 90.5121, 89.3619



50.6558, 74.8347, 21.0080



15.7024, 19.1116, 18.5457



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.



44.1436, 70.8537, 48.8868



43.8278, 74.9531, 45.0989



53.6171, 74.6431, 98.7738



16.6368, 18.6139, 19.3719



19.6757, 36.0151, 16.8437



1.7812, 3.1861, 1.7539

Inverse Universe

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



48.2896, 29.2905, 38.7084



48.6473, 26.6966, 33.3101



43.2591, 27.2783, 12.2185



16.8357, 16.6171, 18.8813



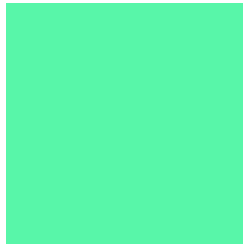
22.1625, 11.2084, 10.8298



1.9996, 1.0058, 1.2243

Previews

White Background



This preview shows how the XYZ color 44.1417, 70.8508, 48.8852 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 44.1417, 70.8508, 48.8852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

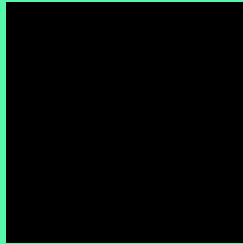
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.1417, 70.8508, 48.8852

Background



This preview shows how black text looks on a background with the XYZ color 44.1417, 70.8508, 48.8852.

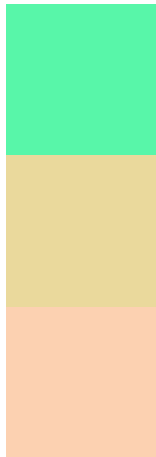


This preview shows how white text looks on a background with the XYZ color 44.1417, 70.8508,

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

44.1417, 70.8508, 48.8852

Protanopia

64.7453, 69.5184, 41.4584

Deuteranopia

70.8812, 69.4707, 51.2683



Tritanopia

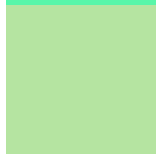
55.0689, 70.4240, 104.4567

Trichromacy



Original Color

44.1417, 70.8508, 48.8852



Protanomaly

53.2325, 67.8838, 44.0154



Deuteranomaly

55.4995, 66.5050, 49.9560



Tritanomaly

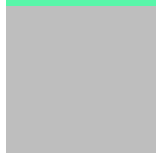
50.2492, 70.1865, 80.7110

Monochromacy



Original Color

44.1417, 70.8508, 48.8852



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.6270, 56.2429, 52.7598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1417, 70.8508, 48.8852 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, 246, 169)` looks like.

```
.text, #text, p{  
    color:rgb(88, 246, 169)  
}
```

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, 246, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 246, 169) }
```

Border

The CSS property to change the border of an element to XYZ 44.1417, 70.8508, 48.8852 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, 246, 169) }
```


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

```
.border{ border-color:rgb(88, 246, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 246, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 246, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 246, 169);  
box-shadow:4px 4px 4px 4px rgb(88, 246,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1417, 70.8508, 48.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 246, 169) }
```

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

```
.background{ background-color: rgb(88, 246,  
169) }
```

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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