

Converting Colors

XYZ(51.6700, 69.7921, 45.9741)

Have a look what the booklet for
XYZ(51.6700, 69.7921, 45.9741)
contains.

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Color

**XYZ(51.7190, 69.9895,
45.9054)**

Conversions

Conversions Part 1

Format	Color
Hex	A4EBA4
RGB	164, 235, 164
RGB Percent	64%, 92%, 64%
CMY	0.3569, 0.0784, 0.3569
CMYK	0.30, 0.00, 0.30, 0.08
HSL	120°, 64%, 78%
HSV	120°, 30%, 92%
XYZ	51.7190, 69.9895, 45.9054
YIQ	205.6770, -19.5250, -37.1330

Conversions

Conversions Part 2

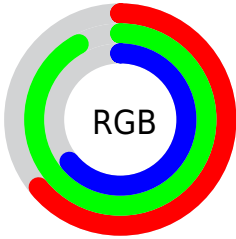
Format	Color
RYB	164, 235, 235
Decimal	10808228
CIELab	86.99, -35.73, 27.60
CIELCh	87, 45.150, 142.310
Yxy	69.9895, 0.3086, 0.4176
Android (android.graphics.Color)	4288998308 (0xFFA4EBA4)
YUV	205.6770, -20.5468, -36.5507
Hunter-Lab	83.6597, -36.0546, 26.0285

Details

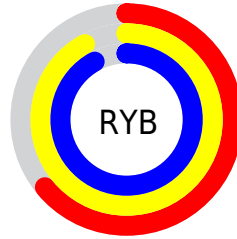
The XYZ color **51.7190, 69.9895, 45.9054** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.5341, 50.2127, 84.9961**, and the grayscale version is **58.5973, 61.6489, 67.1357**.

A 20% lighter version of the original color is **78.3650, 92.0066, 80.6466**, and **25.4751, 36.7250, 21.0752** is the 20% darker color. If you saturate the color by 10%, you get **45.3802, 66.9468, 35.5358**, and if you desaturate by 10%, it is **59.3497, 73.6570, 58.3853**.

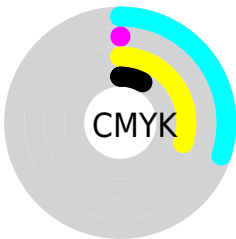
Distribution



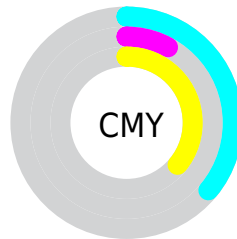
- Red (64%)
- Green (92%)
- Blue (64%)



- Red (64%)
- Yellow (92%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)





- Cyan (36%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7190, 69.9895, 45.9054 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 51.7190, 69.9895, 45.9054 by changing the saturation by 10% instead.


 51.7190, 69.9895,
45.9054


 51.7190, 69.9895,
45.9054


383.6926,
460.5131, 386.6947

 37.0045, 51.5180,
31.8231


 91.8934, 119.1938,
85.4102

 25.3847, 36.6210,
20.9627

 118.0840,
150.6953, 111.6697

 16.4941, 24.9142,
12.9057


148.8306,
187.3090, 142.8254

 9.9675, 16.0131,
7.2337

184.4987,
229.4192, 179.2957

 5.4395, 9.5334,
3.5280

225.4536,
277.4103, 221.4993

 2.5448, 5.0907,
1.3702

272.0607,

 0.9179, 2.3006,

331.6668, 269.8546

0.1183

324.6852,
392.5729, 324.7803

0.0000, 0.7740,
0.0000

0.0000, 0.0000,
0.0000

51.7190, 69.9895,
45.9054

51.7190, 69.9895,
45.9054

45.3802, 66.9468,
35.5358

59.3497, 73.6570,
58.3853

40.2568, 64.4857,
27.1555

68.3324, 77.9719,
73.0782

36.2727, 62.5720,
20.6387

78.7302, 82.9665,
90.0855

33.3410, 61.1637,
15.8432

88.9997, 87.8994,
106.8832

■ 31.3621, 60.2131,
12.6063

■ 30.2177, 59.6634,
10.7343

■ 29.7097, 59.4194,
9.9034

Harmonies

Analogous

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



59.1113, 69.9895, 34.0866



51.7190, 69.9895, 45.9054



48.3674, 69.9895, 68.6901

Triad

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



51.7190, 69.9895, 45.9054



63.8438, 69.9895, 149.5489



87.1231, 69.9895, 56.2007

Complementary

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



51.7190, 69.9895, 45.9054



62.5341, 50.2127, 84.9961

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.



88.7332, 69.9895, 84.2525



51.7190, 69.9895, 45.9054



74.5296, 69.9895, 143.6274

Square

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



51.7190, 69.9895, 45.9054



54.8691, 69.9895, 132.0833



83.9123, 69.9895, 117.5575



79.7200, 69.9895, 38.8413

Rectangle

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



51.7190, 69.9895, 45.9054



48.5975, 69.9895, 89.2844



83.9123, 69.9895, 117.5575



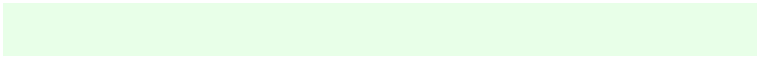
88.3893, 69.9895, 64.4727

Sweetspot

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



51.7208, 69.9925, 45.9070



83.6276, 94.5132, 90.2167



70.6732, 79.7628, 46.7933



17.5329, 20.0535, 18.7101



0.0000, 0.0000, 0.0000



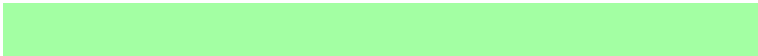
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.7208, 69.9925, 45.9070



57.5342, 81.9792, 47.5363



55.3871, 71.4590, 65.2133



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



62.5341, 50.2127, 84.9961



72.4225, 54.7454, 101.3563



57.9055, 48.3612, 60.6222



15.7149, 15.3138, 19.0498



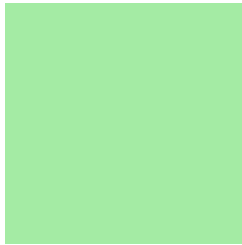
27.4131, 13.1679, 44.8382



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 51.7190, 69.9895, 45.9054 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 51.7190, 69.9895, 45.9054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

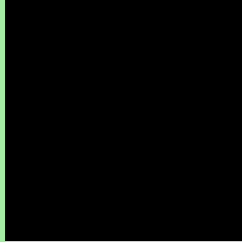
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7190, 69.9895, 45.9054

Background



This preview shows how black text looks on a background with the XYZ color 51.7190, 69.9895, 45.9054.



This preview shows how white text looks on a background with the XYZ color 51.7190, 69.9895,

45.9054.

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

51.7190, 69.9895, 45.9054

Protanopia

64.7453, 69.5184, 41.4584

Deuteranopia

70.6846, 69.0849, 47.6394



Tritanopia

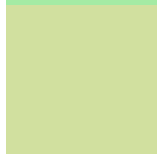
61.4630, 69.7865, 95.0247

Trichromacy



Original Color

51.7190, 69.9895, 45.9054



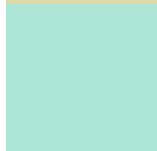
Protanomaly

59.2082, 69.3698, 43.0700



Deuteranomaly

61.9581, 68.3421, 46.9716



Tritanomaly

57.3905, 69.7779, 74.0620

Monochromacy



Original Color

51.7190, 69.9895, 45.9054



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.7027, 64.4637, 58.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7190, 69.9895, 45.9054 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(164, 235, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 235, 164)  
}
```

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(164, 235, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.7190, 69.9895, 45.9054 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(164, 235, 164) }
```


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

```
.border{ border-color:rgb(164, 235, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 235, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 235, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 235, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 235,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7190, 69.9895, 45.9054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 235, 164) }
```

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

```
.background{ background-color: rgb(164,  
235, 164) }
```

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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