

Converting Colors

XYZ(52.6246, 67.9491, 45.4638)

Have a look what the booklet for
XYZ(52.6246, 67.9491, 45.4638)
contains.

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Color

**XYZ(52.6246, 67.9491,
45.4638)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E5A4
RGB	176, 229, 164
RGB Percent	69%, 90%, 64%
CMY	0.3098, 0.1019, 0.3569
CMYK	0.23, 0.00, 0.28, 0.10
HSL	109°, 56%, 77%
HSV	109°, 28%, 90%
XYZ	52.6246, 67.9491, 45.4638
YIQ	205.7430, -10.7230, -31.4510

Conversions

Conversions Part 2

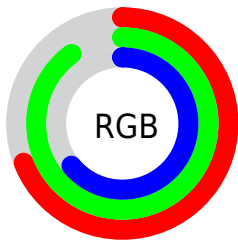
Format	Color
RYB	164, 229, 217
Decimal	11593124
CIELab	85.98, -29.00, 26.34
CIELCh	86, 39.182, 137.751
Yxy	67.9491, 0.3169, 0.4092
Android (android.graphics.Color)	4289783204 (0xFFB0E5A4)
YUV	205.7430, -20.5793, -26.0846
Hunter-Lab	82.4312, -30.2992, 25.0013

Details

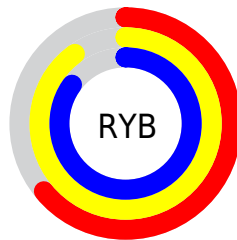
The XYZ color **52.6246, 67.9491, 45.4638** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.0366, 46.9618, 80.2435**, and the grayscale version is **58.6357, 61.6893, 67.1796**.

A 20% lighter version of the original color is **82.1505, 93.9581, 80.8238**, and **25.8942, 35.1946, 20.7577** is the 20% darker color. If you saturate the color by 10%, you get **46.8045, 65.1686, 35.3509**, and if you desaturate by 10%, it is **59.4015, 71.1838, 57.5681**.

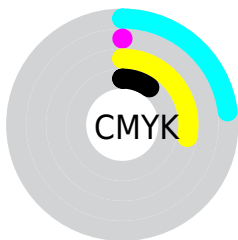
Distribution



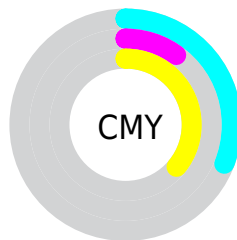
- Red (69%)
- Green (90%)
- Blue (64%)



- Red (64%)
- Yellow (90%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (31%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6246, 67.9491, 45.4638 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 52.6246, 67.9491, 45.4638 by changing the saturation by 10% instead.


 52.6246, 67.9491,
45.4638


 52.6246, 67.9491,
45.4638


387.1277,
453.3157, 384.8635

 37.7294, 49.8563,
31.4773


 93.2205, 116.2793,
84.7418

 25.9490, 35.2993,
20.7011


 119.6520,
147.2856, 110.8703

 16.9180, 23.8935,
12.7166


150.6597,
183.3651, 141.8833

 10.2710, 15.2546,
7.1052

186.6088,
224.9023, 178.1992

 5.6426, 8.9983,
3.4486

227.8648,
272.2815, 220.2367

 2.6676, 4.7401,
1.3280

274.7931,

 0.9805, 2.0956,

325.8872, 268.4142

0.0846

327.7589,
386.1038, 323.1503

0.0000, 0.6621,
0.0000

0.0000, 0.0000,
0.0000

52.6246, 67.9491,
45.4638

52.6246, 67.9491,
45.4638

46.8045, 65.1686,
35.3509

59.4015, 71.1838,
57.5681

41.8924, 62.8134,
27.1185

67.1705, 74.8829,
71.7578

37.8429, 60.8648,
20.6518

75.9719, 79.0670,
88.1263

34.6048, 59.2990,
15.8215

85.7443, 83.7139,
106.2469

■ 32.1207, 58.0898,
12.4808

■ 87.3107, 84.5214,
106.3202

■ 30.3257, 57.2074,
10.4566

■ 29.1358, 56.6139,
9.4982

■ 28.9867, 56.5394,
9.3854

Harmonies

Analogous

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



59.4600, 67.9491, 36.1694



52.6246, 67.9491, 45.4638



49.1340, 67.9491, 63.9799

Triad

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



52.6246, 67.9491, 45.4638



60.9884, 67.9491, 133.6093



82.4673, 67.9491, 59.9067

Complementary

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



52.6246, 67.9491, 45.4638



56.0366, 46.9618, 80.2435

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.



82.9734, 67.9491, 84.9824



52.6246, 67.9491, 45.4638



69.9934, 67.9491, 131.7952

Square

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



52.6246, 67.9491, 45.4638



53.6539, 67.9491, 116.9686



78.2296, 67.9491, 112.4712



76.9050, 67.9491, 43.0800

Rectangle

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



52.6246, 67.9491, 45.4638



48.9381, 67.9491, 80.8583



78.2296, 67.9491, 112.4712



83.2519, 67.9491, 67.5127

Sweetspot

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



52.6264, 67.9520, 45.4653



85.0198, 95.2309, 90.2816



63.5728, 68.4533, 44.9851



17.8725, 20.2286, 18.7259



0.0000, 0.0000, 0.0000



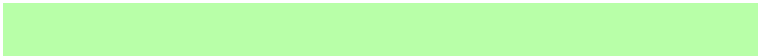
20.3446, 21.4041, 23.3091

Same Dimension

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



52.6264, 67.9520, 45.4653



62.6958, 84.5862, 50.2148



51.9307, 67.3740, 55.3422



14.4363, 16.2164, 15.2737



16.6456, 32.3626, 5.3693



1.3017, 2.4284, 0.4001

Inverse Universe

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



56.0366, 46.9618, 80.2435



67.7035, 53.6863, 101.4019



57.1617, 47.8390, 66.8705



14.7206, 14.4737, 18.1622



19.8607, 9.3045, 43.1323



1.5355, 0.7226, 3.1905

Previews

White Background



This preview shows how the XYZ color 52.6246, 67.9491, 45.4638 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 52.6246, 67.9491, 45.4638 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

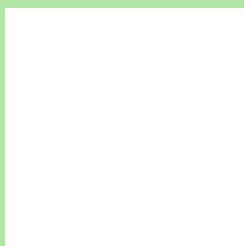
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.6246, 67.9491, 45.4638

Background



This preview shows how black text looks on a background with the XYZ color 52.6246, 67.9491, 45.4638.



This preview shows how white text looks on a background with the XYZ color 52.6246, 67.9491,

45.4638.

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

52.6246, 67.9491, 45.4638

Protanopia

62.7655, 67.3505, 41.5901

Deuteranopia

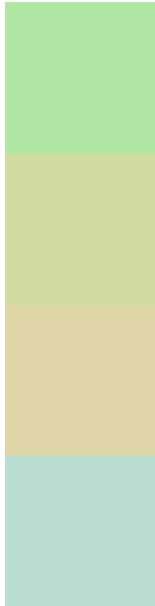
68.6571, 67.3312, 46.9137



Tritanopia

61.6183, 67.9922, 89.9969

Trichromacy



Original Color

52.6246, 67.9491, 45.4638

Protanomaly

58.2550, 66.9027, 43.1009

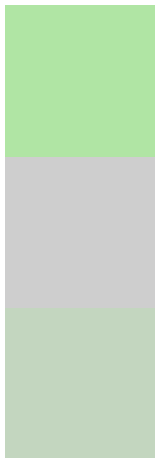
Deuteranomaly

61.4530, 66.5711, 46.1698

Tritanomaly

57.7877, 67.6188, 70.9788

Monochromacy



Original Color

52.6246, 67.9491, 45.4638

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

55.9562, 63.4568, 58.5894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6246, 67.9491, 45.4638 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(176, 229, 164)` looks like.

```
.text, #text, p{  
    color:rgb(176, 229, 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(176, 229, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 229, 164) }
```

Border

The CSS property to change the border of an element to XYZ 52.6246, 67.9491, 45.4638 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(176, 229, 164) }
```


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

```
.border{ border-color:rgb(176, 229, 164) }
```

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

Here you see how a box with a 4 pixel rgb(176, 229, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 229, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 229, 164);  
box-shadow:4px 4px 4px 4px rgb(176, 229,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6246, 67.9491, 45.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 229, 164) }
```

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

```
.background{ background-color: rgb(176,  
229, 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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