

Converting Colors

XYZ(45.5355, 60.9623, 14.8225)

Have a look what the booklet for
XYZ(45.5355, 60.9623, 14.8225)
contains.

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Color

**XYZ(45.4310, 60.9041,
14.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	B5DB44
RGB	181, 219, 68
RGB Percent	71%, 86%, 27%
CMY	0.2902, 0.1412, 0.7333
CMYK	0.17, 0.00, 0.69, 0.14
HSL	75°, 68%, 56%
HSV	75°, 69%, 86%
XYZ	45.4310, 60.9041, 14.8301
YIQ	190.4240, 25.8230, -55.0170

Conversions

Conversions Part 2

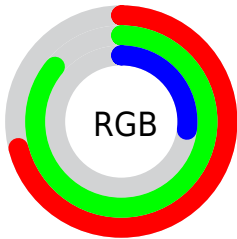
Format	Color
RYB	68, 219, 106
Decimal	11918148
CIELab	82.33, -32.89, 66.63
CIELCh	82, 74.301, 116.270
Yxy	60.9041, 0.3750, 0.5027
Android (android.graphics.Color)	4290108228 (0xFFB5DB44)
YUV	190.4240, -60.3550, -8.2648
Hunter-Lab	78.0411, -32.6595, 43.3619

Details

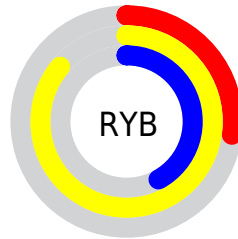
The XYZ color **45.4310, 60.9041, 14.8301** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.7994, 12.3145, 68.3020**, and the grayscale version is **49.5169, 52.0956, 56.7321**.

A 20% lighter version of the original color is **75.3333, 91.5005, 32.7597**, and **21.5876, 30.8360, 4.8142** is the 20% darker color. If you saturate the color by 10%, you get **43.6169, 60.0343, 11.8846**, and if you desaturate by 10%, it is **47.5486, 61.9056, 19.0948**.

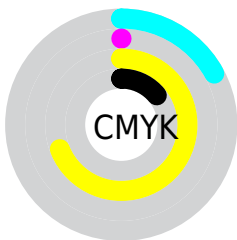
Distribution



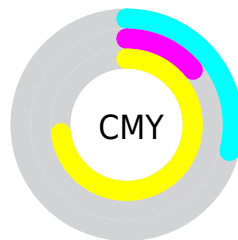
- Red (71%)
- Green (86%)
- Blue (27%)



- Red (27%)
- Yellow (86%)
- Blue (42%)



- Cyan (17%)
- Magenta (0%)
- Yellow (69%)
- Black (14%)





- Cyan (29%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4310, 60.9041, 14.8301 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 45.4310, 60.9041, 14.8301 by changing the saturation by 10% instead.


 45.4310, 60.9041,
14.8301

 45.4310, 60.9041,
14.8301


359.2707,
427.9223, 233.9408

 31.9998, 44.1478,
8.5549


 82.5999, 106.1401,
35.2929

 21.5169, 30.7867,
4.3592


 107.0682,
135.3885, 50.3177


 13.6169, 20.4365,
1.8244


 135.9464,
169.5698, 69.0960

 7.9346, 12.7127,
0.4440

 169.5996,
209.0682, 92.0465

 4.1046, 7.2310,
0.0000

 208.3933,
254.2683, 119.5877

 1.7615, 3.6070,
0.0000

252.6928,

 0.4943, 1.4562,

305.5545, 152.1381

0.0000

302.8635,
363.3110, 190.1163

■ 0.0000, 0.2576,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.4310, 60.9041,
14.8301

■ 45.4310, 60.9041,
14.8301

■ 43.6169, 60.0343,
11.8846

■ 47.5486, 61.9056,
19.0948

■ 42.0721, 59.2758,
10.0993


■ 49.9911, 63.0408,
24.8061


■ 40.7511, 58.6126,
9.2317


■ 52.7822, 64.3216,
32.0807


■ 40.6186, 58.5458,
9.1596


■ 55.9422, 65.7560,
41.0223

 59.4898, 67.3516,
51.7257

 63.4420, 69.1153,
64.2787

 67.8149, 71.0536,
78.7632

 72.6238, 73.1726,
95.2561

 76.2119, 74.8096,
105.0307

Harmonies

Analogous

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



59.8908, 60.9041, 11.8119



45.4310, 60.9041, 14.8301



36.0797, 60.9041, 28.7251

Triad

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



45.4310, 60.9041, 14.8301



42.5743, 60.9041, 168.4722



93.8928, 60.9041, 72.1498

Complementary

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



45.4310, 60.9041, 14.8301



20.7994, 12.3145, 68.3020

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.



87.0787, 60.9041, 127.4693



45.4310, 60.9041, 14.8301



55.9294, 60.9041, 196.9225

Square

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



45.4310, 60.9041, 14.8301



34.6538, 60.9041, 112.8759



72.4352, 60.9041, 179.2555



89.7049, 60.9041, 34.7247

Rectangle

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



45.4310, 60.9041, 14.8301



33.0632, 60.9041, 47.6975



72.4352, 60.9041, 179.2555



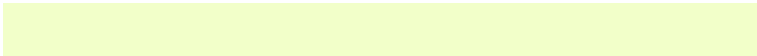
92.7853, 60.9041, 89.2365

Sweetspot

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



45.4324, 60.9068, 14.8314



82.8097, 94.5510, 69.4219



35.3874, 25.7360, 8.5722



17.4216, 20.1017, 13.9378



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.



45.4324, 60.9068, 14.8314



60.4865, 84.2159, 15.3866



32.2912, 54.1323, 14.2164



13.8255, 15.0903, 13.9096



24.1890, 34.7674, 5.4359



1.6443, 2.2922, 0.3558

Inverse Universe

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



20.7994, 12.3145, 68.3020



23.8161, 11.4939, 95.5710



33.9703, 19.1043, 68.9184



12.6443, 12.7747, 16.4515



8.6050, 3.5602, 39.9721



0.6366, 0.2714, 2.5933

Previews

White Background



This preview shows how the XYZ color 45.4310, 60.9041, 14.8301 looks on a white background.

Color Contrast Check

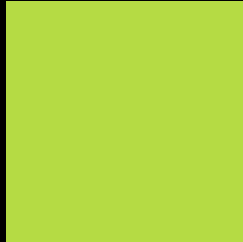
Large Text (above 18pt) WCAG AA × Fail

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 45.4310, 60.9041, 14.8301 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 45.4310, 60.9041, 14.8301

Background



This preview shows how black text looks on a background with the XYZ color 45.4310, 60.9041, 14.8301.



This preview shows how white text looks on a background with the XYZ color 45.4310, 60.9041,

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

45.4310, 60.9041, 14.8301

Protanopia

55.0698, 60.6908, 13.6625

Deuteranopia

61.8713, 60.3794, 15.4146



Tritanopia

58.1712, 60.8889, 77.0934

Trichromacy



Original Color

45.4310, 60.9041, 14.8301

Protanomaly

51.1521, 60.4719, 13.9773

Deuteranomaly

54.5869, 59.7003, 15.1248

Tritanomaly

51.5764, 60.0163, 44.4632

Monochromacy



Original Color

45.4310, 60.9041, 14.8301

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.5685, 54.4134, 35.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4310, 60.9041, 14.8301 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(181, 219, 68)` looks like.

```
.text, #text, p{  
    color:rgb(181, 219, 68)  
}
```

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(181, 219, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 219, 68) }
```

Border

The CSS property to change the border of an element to XYZ 45.4310, 60.9041, 14.8301 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(181, 219, 68) }
```


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

```
.border{ border-color:rgb(181, 219, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 219, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 219, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 219, 68);  
box-shadow:4px 4px 4px 4px rgb(181, 219,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4310, 60.9041, 14.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 219, 68) }
```

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

```
.background{ background-color: rgb(181,  
219, 68) }
```

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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