

Converting Colors

XYZ(46.6733, 65.9231, 20.0185)

Have a look what the booklet for
XYZ(46.6733, 65.9231, 20.0185)
contains.

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Color

**XYZ(46.5045, 65.7668,
19.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E65A
RGB	169, 230, 90
RGB Percent	66%, 90%, 35%
CMY	0.3373, 0.0980, 0.6470
CMYK	0.27, 0.00, 0.61, 0.10
HSL	86°, 74%, 63%
HSV	86°, 61%, 90%
XYZ	46.5045, 65.7668, 19.9161
YIQ	195.8010, 8.5840, -56.4720

Conversions

Conversions Part 2

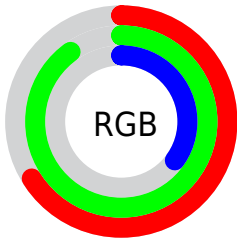
Format	Color
RYB	90, 230, 151
Decimal	11134554
CIELab	84.88, -40.82, 60.40
CIElCh	85, 72.899, 124.055
Yxy	65.7668, 0.3518, 0.4975
Android (android.graphics.Color)	4289324634 (0xFFA9E65A)
YUV	195.8010, -52.1599, -23.5045
Hunter-Lab	81.0967, -39.5594, 42.2070

Details

The XYZ color **46.5045, 65.7668, 19.9161** 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 **30.7044, 19.6067, 77.0328**, and the grayscale version is **52.6508, 55.3928, 60.3227**.

A 20% lighter version of the original color is **72.5494, 89.8952, 40.3158**, and **22.2068, 33.8871, 6.7369** is the 20% darker color. If you saturate the color by 10%, you get **43.6051, 64.3703, 15.4373**, and if you desaturate by 10%, it is **49.8747, 67.3752, 26.0002**.

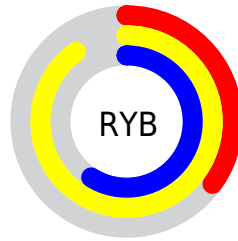
Distribution



Red (66%)

Green (90%)

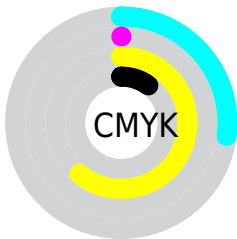
Blue (35%)



Red (35%)

Yellow (90%)

Blue (59%)

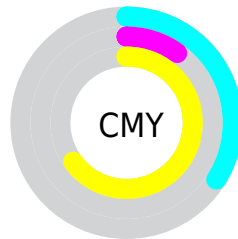


Cyan (27%)

Magenta (0%)

Yellow (61%)

Black (10%)



Cyan (34%)


Magenta (10%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5045, 65.7668, 19.9161 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 46.5045, 65.7668, 19.9161 by changing the saturation by 10% instead.


 46.5045, 65.7668,
19.9161

 46.5045, 65.7668,
19.9161


363.5152,
445.5424, 264.0498


 32.8504, 48.0831,
12.1506


 84.1968, 113.1516,
44.1336


 22.1706, 33.8927,
6.7225


 108.9657,
143.6214, 61.4227

 14.0996, 22.8112,
3.2134


 138.1702,
179.1222, 82.7234

 8.2721, 14.4542,
1.2046

 172.1758,
220.0381, 108.4542

 4.3228, 8.4372,
0.0000

211.3477,
266.7538, 139.0337

 1.8863, 4.3760,
0.0000

256.0514,

 0.5689, 1.8860,

319.6534, 174.8804

0.0000

306.6521,
379.1215, 216.4129

0.0000, 0.5400,
0.0000

0.0000, 0.0000,
0.0000

46.5045, 65.7668,
19.9161

46.5045, 65.7668,
19.9161

43.6051, 64.3703,
15.4373

49.8747, 67.3752,
26.0002

41.1392, 63.1636,
12.4067


53.7399, 69.1987,
33.8188


39.0699, 62.1338,
10.6434


58.1278, 71.2511,
43.4927


37.4706, 61.3249,
9.8620


63.0622, 73.5425,
55.1308

 68.5656, 76.0820,
68.8334

 74.6588, 78.8784,
84.6942

 81.3616, 81.9400,
102.8010

 85.4791, 83.9891,
106.3140

 87.5882, 85.0764,
106.4127

Harmonies

Analogous

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



60.3122, 65.7668, 14.1106



46.5045, 65.7668, 19.9161



38.2861, 65.7668, 38.9977

Triad

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



46.5045, 65.7668, 19.9161



49.7386, 65.7668, 186.9250



99.4074, 65.7668, 65.4280

Complementary

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



46.5045, 65.7668, 19.9161



30.7044, 19.6067, 77.0328

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.



95.2568, 65.7668, 118.6673



46.5045, 65.7668, 19.9161



64.7593, 65.7668, 204.2084

Square

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



46.5045, 65.7668, 19.9161



39.9121, 65.7668, 134.7921



81.8201, 65.7668, 175.1108



92.3427, 65.7668, 32.0952

Rectangle

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



46.5045, 65.7668, 19.9161



36.1633, 65.7668, 62.6825



81.8201, 65.7668, 175.1108



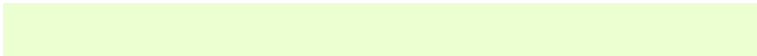
99.2844, 65.7668, 81.3449

Sweetspot

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



46.5061, 65.7697, 19.9175



81.5417, 93.7904, 74.1922



45.4941, 39.5896, 14.9176



17.0346, 19.8814, 14.8572



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.



46.5061, 65.7697, 19.9175



54.2596, 80.9334, 18.3678



35.3264, 60.0064, 19.3943



14.9636, 16.4883, 15.2983



21.3555, 34.7906, 5.5897



1.6842, 2.6256, 0.4180

Inverse Universe

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



30.7044, 19.6067, 77.0328



32.7400, 17.9385, 96.3446



47.6591, 28.3472, 77.8262



14.1757, 14.1928, 18.1367



11.2101, 4.8449, 42.7275



0.9334, 0.4121, 3.1623

Previews

White Background



This preview shows how the XYZ color 46.5045, 65.7668, 19.9161 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 46.5045, 65.7668, 19.9161 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 46.5045, 65.7668, 19.9161

Background



This preview shows how black text looks on a background with the XYZ color 46.5045, 65.7668, 19.9161.

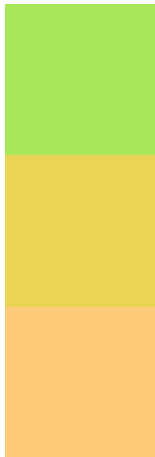


This preview shows how white text looks on a background with the XYZ color 46.5045, 65.7668,

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

46.5045, 65.7668, 19.9161

Protanopia

59.1949, 64.9066, 18.0026

Deuteranopia

65.8117, 64.8815, 27.1439



Tritanopia

60.0029, 65.6863, 86.6070

Trichromacy



Original Color

46.5045, 65.7668, 19.9161

Protanomaly

53.6557, 64.6798, 18.6733

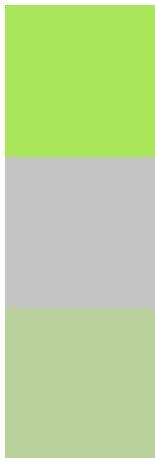
Deuteranomaly

57.0984, 64.0600, 24.1073

Tritanomaly

53.2530, 64.8729, 53.4310

Monochromacy



Original Color

46.5045, 65.7668, 19.9161

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

48.8914, 57.9852, 40.5137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5045, 65.7668, 19.9161 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(169, 230, 90)` looks like.

```
.text, #text, p{  
    color:rgb(169, 230, 90)  
}
```

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(169, 230, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 230, 90) }
```

Border

The CSS property to change the border of an element to XYZ 46.5045, 65.7668, 19.9161 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(169, 230, 90) }
```


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

```
.border{ border-color:rgb(169, 230, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 230, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 230, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 230, 90);  
box-shadow:4px 4px 4px 4px rgb(169, 230,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5045, 65.7668, 19.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 230, 90) }
```

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

```
.background{ background-color: rgb(169,  
230, 90) }
```

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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