

Converting Colors

XYZ(45.2462, 66.1592, 10.5289)

Have a look what the booklet for
XYZ(45.2462, 66.1592, 10.5289)
contains.

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Color

**XYZ(45.2462, 66.1592,
10.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E805
RGB	169, 232, 5
RGB Percent	66%, 91%, 2%
CMY	0.3373, 0.0902, 0.9803
CMYK	0.27, 0.00, 0.98, 0.09
HSL	77°, 96%, 46%
HSV	77°, 98%, 91%
XYZ	45.2462, 66.1592, 10.5289
YIQ	187.2850, 35.3190, -83.9530

Conversions

Conversions Part 2

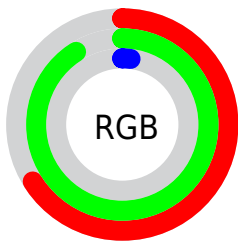
Format	Color
R_{YB}	5, 232, 68
Decimal	11134981
CIE _{Lab}	85.08, -45.27, 82.47
CIE _{LCh}	85, 94.081, 118.764
Yxy	66.1592, 0.3711, 0.5426
Android (android.graphics.Color)	4289325061 (0xFFA9E805)
YUV	187.2850, -89.8665, -16.0359
Hunter-Lab	81.3383, -43.0475, 49.2620

Details

The XYZ color **45.2462, 66.1592, 10.5289** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.0075, 7.1661, 76.8346**, and the grayscale version is **47.8770, 50.3703, 54.8532**.

A 20% lighter version of the original color is **69.9614, 88.9333, 23.3760**, and **21.9557, 34.3657, 5.4760** is the 20% darker color. If you saturate the color by 10%, you get **44.9219, 65.9974, 10.3711**, and if you desaturate by 10%, it is **46.8486, 66.9661, 11.5699**.

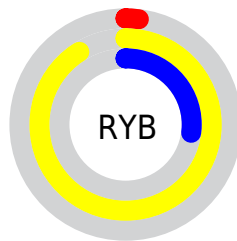
Distribution



Red (66%)

Green (91%)

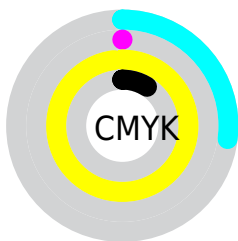
Blue (2%)



Red (2%)

Yellow (91%)

Blue (27%)

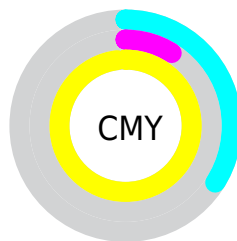


Cyan (27%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (34%)


Magenta (9%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2462, 66.1592, 10.5289 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 45.2462, 66.1592, 10.5289 by changing the saturation by 10% instead.


 45.2462, 66.1592,
10.5289

 45.2462, 66.1592,
10.5289


358.5367,
446.9460, 205.0264


 31.8535, 48.4016,
5.6409


 82.3245, 113.7148,
27.4089

 21.4046, 34.1451,
2.5627


 106.7409,
144.2816, 40.2379


 13.5342, 23.0051,
0.8731


 135.5625,
179.8870, 56.5510

 7.8770, 14.5972,
0.0000

 169.1547,
220.9154, 76.7667

 4.0675, 8.5372,
0.0000

 207.8828,
267.7510, 101.3035

 1.7404, 4.4406,
0.0000

 252.1123,

 0.4813, 1.9229,

320.7784, 130.5801

0.0000

302.2085,
380.3820, 165.0149

■ 0.0000, 0.5621,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2462, 66.1592,
10.5289

■ 45.2462, 66.1592,
10.5289

■ 44.9219, 65.9974,
10.3711

■ 46.8486, 66.9661,
11.5699

■ 48.7283, 67.8895,
13.7182

■ 50.9337, 68.9513,
17.2158

■ 53.4988, 70.1651,
22.2382

■ 56.4530, 71.5429,
28.9346

■ 59.8219, 73.0950,
37.4363

■ 63.6290, 74.8308,
47.8617

■ 67.8956, 76.7590,
60.3190

■ 72.6417, 78.8877,
74.9083

Harmonies

Analogous

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



63.7653, 66.1592, 7.0241



45.2462, 66.1592, 10.5289



34.0863, 66.1592, 26.8928

Triad

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



45.2462, 66.1592, 10.5289



44.0348, 66.1592, 224.9218



113.0350, 66.1592, 74.5826

Complementary

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



45.2462, 66.1592, 10.5289



17.0075, 7.1661, 76.8346

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.



104.5408, 66.1592, 151.0534



45.2462, 66.1592, 10.5289



62.0075, 66.1592, 262.9559

Square

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



45.2462, 66.1592, 10.5289



33.5053, 66.1592, 144.0230



84.5923, 66.1592, 230.3419



105.7790, 66.1592, 29.2171

Rectangle

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



45.2462, 66.1592, 10.5289



30.7917, 66.1592, 51.6105



84.5923, 66.1592, 230.3419



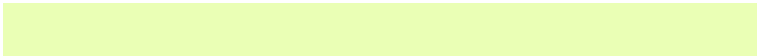
111.8985, 66.1592, 97.2445

Sweetspot

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



45.2477, 66.1621, 10.5303



78.1925, 92.4307, 57.4627



35.2306, 21.0128, 2.3436



16.2956, 19.5833, 11.0794



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.



45.2477, 66.1621, 10.5303



55.5784, 81.7368, 12.8475



30.6302, 58.6265, 9.8462



15.1911, 16.6056, 15.3090



25.0657, 36.7033, 5.7633



1.9411, 2.7581, 0.4301

Inverse Universe

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



17.0075, 7.1661, 76.8346



20.6329, 8.5515, 95.1709



33.2217, 15.5249, 77.5934



13.9565, 14.0798, 18.1264



9.3795, 3.9012, 42.6418



0.7811, 0.3336, 3.1552

Previews

White Background



This preview shows how the XYZ color 45.2462, 66.1592, 10.5289 looks on a white background.

Color Contrast Check

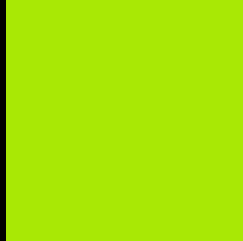
Large Text (above 18pt) WCAG AA × Fail

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 45.2462, 66.1592, 10.5289 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 45.2462, 66.1592, 10.5289

Background



This preview shows how black text looks on a background with the XYZ color 45.2462, 66.1592, 10.5289.



This preview shows how white text looks on a background with the XYZ color 45.2462, 66.1592,

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

45.2462, 66.1592, 10.5289

Protanopia

59.1401, 65.4377, 9.5137

Deuteranopia

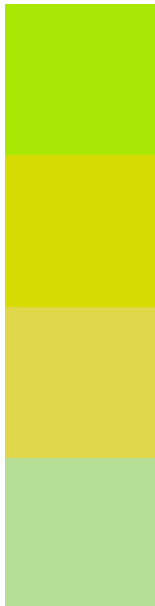
65.6332, 65.1868, 25.0427



Tritanopia

60.4991, 65.9421, 86.6302

Trichromacy



Original Color

45.2462, 66.1592, 10.5289

Protanomaly

53.0740, 64.9636, 9.7994

Deuteranomaly

56.0231, 64.4348, 15.9630

Tritanomaly

50.9177, 64.3896, 38.5990

Monochromacy



Original Color

45.2462, 66.1592, 10.5289

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

43.6295, 53.7956, 26.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2462, 66.1592, 10.5289 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, 232, 5)` looks like.

```
.text, #text, p{  
    color:rgb(169, 232, 5)  
}
```

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, 232, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 232, 5) }
```

Border

The CSS property to change the border of an element to XYZ 45.2462, 66.1592, 10.5289 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, 232, 5) }
```


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

```
.border{ border-color:rgb(169, 232, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 232, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 232, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 232, 5);  
box-shadow:4px 4px 4px 4px rgb(169, 232,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2462, 66.1592, 10.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 232, 5) }
```

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

```
.background{ background-color: rgb(169,  
232, 5) }
```

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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