

Converting Colors

XYZ(46.4515, 65.0983, 15.8757)

Have a look what the booklet for
XYZ(46.4515, 65.0983, 15.8757)
contains.

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Color

**XYZ(46.3045, 64.9277,
15.8861)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE446
RGB	174, 228, 70
RGB Percent	68%, 89%, 27%
CMY	0.3176, 0.1059, 0.7255
CMYK	0.24, 0.00, 0.69, 0.11
HSL	81°, 75%, 58%
HSV	81°, 69%, 89%
XYZ	46.3045, 64.9277, 15.8861
YIQ	193.8420, 18.5340, -60.5860

Conversions

Conversions Part 2

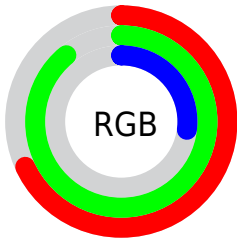
Format	Color
RYB	70, 228, 124
Decimal	11461702
CIELab	84.45, -39.53, 67.89
CIELCh	84, 78.565, 120.210
Yxy	64.9277, 0.3643, 0.5108
Android (android.graphics.Color)	4289651782 (0xFFAEE446)
YUV	193.8420, -61.0541, -17.4014
Hunter-Lab	80.5777, -38.4349, 44.7152

Details

The XYZ color **46.3045, 64.9277, 15.8861** 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 **24.5085, 14.2686, 74.8649**, and the grayscale version is **51.5285, 54.2120, 59.0368**.

A 20% lighter version of the original color is **73.1950, 90.3759, 33.6652**, and **22.0886, 33.2870, 5.2608** is the 20% darker color. If you saturate the color by 10%, you get **44.0313, 63.8259, 12.7100**, and if you desaturate by 10%, it is **48.9546, 66.1965, 20.5079**.

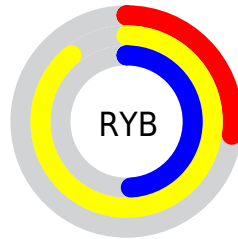
Distribution



Red (68%)

Green (89%)

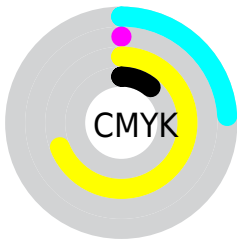
Blue (27%)



Red (27%)

Yellow (89%)

Blue (49%)

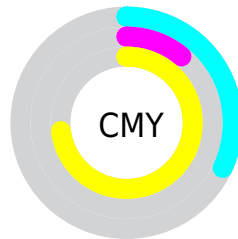


Cyan (24%)

Magenta (0%)

Yellow (69%)

Black (11%)



Cyan (32%)


Magenta (11%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3045, 64.9277, 15.8861 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 46.3045, 64.9277, 15.8861 by changing the saturation by 10% instead.


 46.3045, 64.9277,
15.8861


 46.3045, 64.9277,
15.8861


362.7269,
442.5321, 240.4914


 32.6918, 47.4025,
9.2901


 83.8996, 111.9459,
37.1644

 22.0486, 33.3539,
4.8315


 108.6127,
142.2077, 52.6838


 14.0094, 22.3977,
2.0917

 137.7567,
177.4837, 72.0147

 8.2089, 14.1494,
0.6108

 171.6969,
218.1584, 95.5757

 4.2819, 8.2247,
0.0000

 210.7987,
264.6162, 123.7853

 1.8628, 4.2390,
0.0000

255.4274,

 0.5551, 1.8082,

317.2415, 157.0621

0.0000

305.9483,
376.4187, 195.8246

■ 0.0000, 0.4923,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3045, 64.9277,
15.8861

■ 46.3045, 64.9277,
15.8861

■ 44.0313, 63.8259,
12.7100

■ 48.9546, 66.1965,
20.5079

■ 42.0959, 62.8684,
10.8025


■ 52.0064, 67.6355,
26.7171


■ 40.4457, 62.0362,
9.8885


■ 55.4874, 69.2581,
34.6431


■ 40.3357, 61.9805,
9.8375


■ 59.4208, 71.0740,
44.4010

 63.8283, 73.0918,
56.0957

 68.7297, 75.3198,
69.8244

 74.1436, 77.7655,
85.6777

 80.0878, 80.4362,
103.7406

 83.1517, 81.9678,
106.0465

Harmonies

Analogous

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



61.5889, 64.9277, 11.5295



46.3045, 64.9277, 15.8861



36.9070, 64.9277, 32.8585

Triad

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



46.3045, 64.9277, 15.8861



46.4807, 64.9277, 191.3807



101.7710, 64.9277, 70.3435

Complementary

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



46.3045, 64.9277, 15.8861



24.5085, 14.2686, 74.8649

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.



95.6993, 64.9277, 130.0791



46.3045, 64.9277, 15.8861



61.8349, 64.9277, 217.1534

Square

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



46.3045, 64.9277, 15.8861



36.9944, 64.9277, 130.9975



80.2059, 64.9277, 190.6972



95.5346, 64.9277, 32.4938

Rectangle

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



46.3045, 64.9277, 15.8861



34.1734, 64.9277, 55.5647



80.2059, 64.9277, 190.6972



101.0899, 64.9277, 88.3498

Sweetspot

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



46.3060, 64.9306, 15.8875



81.1794, 93.7105, 69.3456



40.1445, 31.0217, 9.6672



17.0313, 19.9005, 13.9195



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.



46.3060, 64.9306, 15.8875



55.6494, 81.7222, 15.1603



33.7101, 58.4371, 15.2980



15.0982, 16.5577, 15.3046



23.4219, 35.8559, 5.6864



1.8294, 2.7004, 0.4248

Inverse Universe

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



24.5085, 14.2686, 74.8649



26.0884, 12.6653, 95.6774



40.4632, 22.4935, 75.6116



14.0449, 14.1254, 18.1306



10.0114, 4.2270, 42.6714



0.8365, 0.3622, 3.1578

Previews

White Background



This preview shows how the XYZ color 46.3045, 64.9277, 15.8861 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 46.3045, 64.9277, 15.8861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

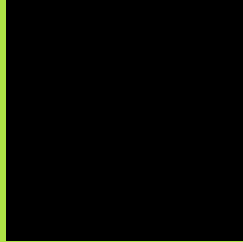
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3045, 64.9277, 15.8861

Background



This preview shows how black text looks on a background with the XYZ color 46.3045, 64.9277, 15.8861.



This preview shows how white text looks on a background with the XYZ color 46.3045, 64.9277, 15.8861.

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

46.3045, 64.9277, 15.8861

Protanopia

58.2617, 64.1370, 14.3100

Deuteranopia

64.9959, 64.1810, 24.0014



Tritanopia

60.0695, 64.6391, 84.1735

Trichromacy



Original Color

46.3045, 64.9277, 15.8861

Protanomaly

53.2665, 64.1771, 14.8902

Deuteranomaly

56.7696, 63.6018, 20.3506

Tritanomaly

52.7675, 63.5605, 48.5170

Monochromacy



Original Color

46.3045, 64.9277, 15.8861

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

47.9896, 56.8773, 36.8829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3045, 64.9277, 15.8861 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(174, 228, 70)` looks like.

```
.text, #text, p{  
    color:rgb(174, 228, 70)  
}
```

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(174, 228, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 228, 70) }
```

Border

The CSS property to change the border of an element to XYZ 46.3045, 64.9277, 15.8861 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(174, 228, 70) }
```


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

```
.border{ border-color:rgb(174, 228, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 228, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 228, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 228, 70);  
box-shadow:4px 4px 4px 4px rgb(174, 228,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3045, 64.9277, 15.8861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 228, 70) }
```

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

```
.background{ background-color: rgb(174,  
228, 70) }
```

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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