

Converting Colors

XYZ(45.5303, 63.5354, 16.5388)

Have a look what the booklet for
XYZ(45.5303, 63.5354, 16.5388)
contains.

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Color

**XYZ(45.6999, 63.7849,
16.5597)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE24B
RGB	173, 226, 75
RGB Percent	68%, 89%, 29%
CMY	0.3216, 0.1137, 0.7059
CMYK	0.23, 0.00, 0.67, 0.11
HSL	81°, 72%, 59%
HSV	81°, 67%, 89%
XYZ	45.6999, 63.7849, 16.5597
YIQ	192.9390, 16.8830, -58.1970

Conversions

Conversions Part 2

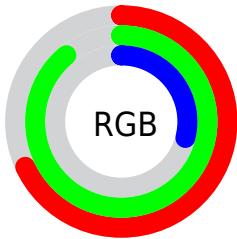
Format	Color
RYB	75, 226, 128
Decimal	11395659
CIELab	83.85, -38.70, 65.41
CIELCh	84, 75.995, 120.610
Yxy	63.7849, 0.3626, 0.5061
Android (android.graphics.Color)	4289585739 (0xFFADE24B)
YUV	192.9390, -58.1439, -17.4865
Hunter-Lab	79.8654, -37.6248, 43.6123

Details

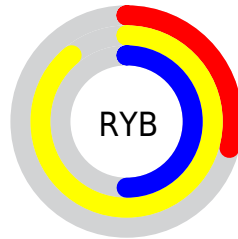
The XYZ color **45.6999, 63.7849, 16.5597** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **25.1483, 15.1141, 73.5470**, and the grayscale version is **50.9783, 53.6332, 58.4065**.

A 20% lighter version of the original color is **72.8117, 90.1476, 35.0354**, and **21.5772, 32.4625, 5.1286** is the 20% darker color. If you saturate the color by 10%, you get **43.3575, 62.6535, 13.1049**, and if you desaturate by 10%, it is **48.4241, 65.0855, 21.4684**.

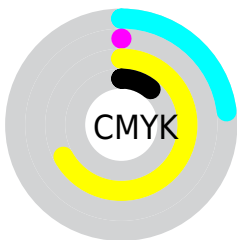
Distribution



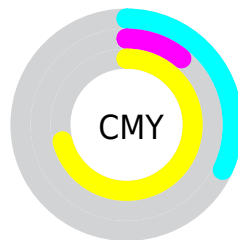
- Red (68%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)





- Cyan (32%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6999, 63.7849, 16.5597 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 45.6999, 63.7849, 16.5597 by changing the saturation by 10% instead.


 45.6999, 63.7849,
16.5597

 45.6999, 63.7849,
16.5597


360.3370,
438.4125, 244.5796

 32.2127, 46.4765,
9.7624


 83.0003, 110.3011,
38.3474

 21.6803, 32.6220,
5.1382


 107.5442,
140.2777, 54.1749


 13.7375, 21.8370,
2.2684


 136.5044,
175.2457, 73.8496

 8.0188, 13.7372,
0.7134

 170.2462,
215.5897, 97.7900

 4.1589, 7.9381,
0.0000

 209.1351,
261.6940, 126.4147

 1.7924, 4.0554,
0.0000

253.5362,

 0.5131, 1.7046,

313.9429, 160.1421

0.0000

303.8151,
372.7210, 199.3909

■ 0.0000, 0.4266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6999, 63.7849,
16.5597

■ 45.6999, 63.7849,
16.5597

■ 43.3575, 62.6535,
13.1049

■ 48.4241, 65.0855,
21.4684

■ 41.3601, 61.6697,
10.9387

■ 51.5536, 66.5583,
27.9648


■ 39.6680, 60.8196,
9.8555


■ 55.1146, 68.2161,
36.1720


■ 39.1714, 60.5681,
9.6263


■ 59.1297, 70.0682,
46.1999

 63.6197, 72.1230,
58.1493

 68.6037, 74.3885,
72.1133

 74.1001, 76.8720,
88.1794

 79.9951, 79.5284,
105.7421

 82.6951, 80.9203,
105.8684

Harmonies

Analogous

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



60.2844, 63.7849, 12.1061



45.6999, 63.7849, 16.5597



36.7292, 63.7849, 33.3877

Triad

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



45.6999, 63.7849, 16.5597



46.1921, 63.7849, 184.3551



98.7402, 63.7849, 68.4764

Complementary

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



45.6999, 63.7849, 16.5597



25.1483, 15.1141, 73.5470

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.



93.1312, 63.7849, 125.0686



45.6999, 63.7849, 16.5597



60.9682, 63.7849, 207.9803

Square

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



45.6999, 63.7849, 16.5597



36.9745, 63.7849, 127.5957



78.4916, 63.7849, 182.4843



92.6767, 63.7849, 32.3578

Rectangle

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



45.6999, 63.7849, 16.5597



34.1414, 63.7849, 55.5004



78.4916, 63.7849, 182.4843



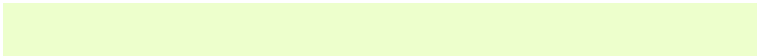
98.1483, 63.7849, 85.5628

Sweetspot

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



45.7014, 63.7877, 16.5611



81.6167, 93.9009, 70.9498



40.3361, 32.0782, 10.7233



17.1108, 19.9346, 14.2308



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.



45.7014, 63.7877, 16.5611



55.9789, 81.8742, 15.9849



33.4678, 57.4811, 15.9885



14.3804, 15.7763, 14.5940



22.4792, 34.6210, 5.4977



1.6539, 2.4491, 0.3856

Inverse Universe

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



25.1483, 15.1141, 73.5470



27.3465, 13.7699, 95.8243



40.9700, 23.2705, 74.2875



13.4037, 13.4761, 17.2824



9.8033, 4.1491, 41.3325



0.7741, 0.3364, 2.8694

Previews

White Background



This preview shows how the XYZ color 45.6999, 63.7849, 16.5597 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 45.6999, 63.7849, 16.5597 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 45.6999, 63.7849, 16.5597

Background



This preview shows how black text looks on a background with the XYZ color 45.6999, 63.7849, 16.5597.



This preview shows how white text looks on a background with the XYZ color 45.6999, 63.7849,

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
45.6999, 63.7849, 16.5597
Protanopia
57.5102, 63.3668, 14.9942
Deuteranopia
64.1116, 63.0861, 21.6298



Tritanopia

58.7837, 63.2663, 82.5122

Trichromacy



Original Color

45.6999, 63.7849, 16.5597

Protanomaly

52.3341, 62.9176, 15.5169

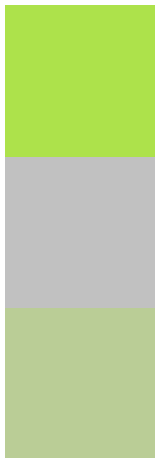
Deuteranomaly

55.8276, 62.3988, 19.4577

Tritanomaly

51.7694, 62.2806, 48.3226

Monochromacy



Original Color

45.6999, 63.7849, 16.5597

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

47.5860, 56.3038, 37.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6999, 63.7849, 16.5597 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(173, 226, 75)` looks like.

```
.text, #text, p{  
    color:rgb(173, 226, 75)  
}
```

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(173, 226, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 226, 75) }
```

Border

The CSS property to change the border of an element to XYZ 45.6999, 63.7849, 16.5597 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(173, 226, 75) }
```


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

```
.border{ border-color:rgb(173, 226, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 226, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 226, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 226, 75);  
box-shadow:4px 4px 4px 4px rgb(173, 226,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6999, 63.7849, 16.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 226, 75) }
```

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

```
.background{ background-color: rgb(173,  
226, 75) }
```

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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