

Converting Colors

XYZ(41.6511, 54.7663, 16.9700)

Have a look what the booklet for
XYZ(41.6511, 54.7663, 16.9700)
contains.

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Color

**XYZ(41.6511, 54.7663,
16.9700)**

Conversions

Conversions Part 1

Format	Color
Hex	AED055
RGB	174, 208, 85
RGB Percent	68%, 82%, 33%
CMY	0.3176, 0.1843, 0.6667
CMYK	0.16, 0.00, 0.59, 0.18
HSL	77°, 57%, 57%
HSV	77°, 59%, 82%
XYZ	41.6511, 54.7663, 16.9700
YIQ	183.8120, 19.2190, -45.4610

Conversions

Conversions Part 2

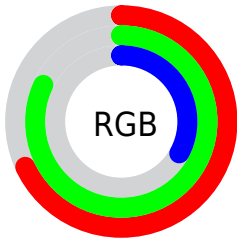
Format	Color
R_{YB}	85, 208, 119
Decimal	11456597
CIE _{Lab}	78.91, -29.30, 56.00
CIE _{LCh}	79, 63.202, 117.618
Yxy	54.7663, 0.3673, 0.4830
Android (android.graphics.Color)	4289646677 (0xFFAED055)
YUV	183.8120, -48.7143, -8.6051
Hunter-Lab	74.0043, -29.0440, 38.2071

Details

The XYZ color **41.6511, 54.7663, 16.9700** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **22.2435, 14.9744, 61.3957**, and the grayscale version is **45.7104, 48.0909, 52.3710**.

A 20% lighter version of the original color is **73.6989, 90.5399, 38.0177**, and **19.3851, 27.1218, 5.3757** is the 20% darker color. If you saturate the color by 10%, you get **39.6898, 53.8389, 13.1809**, and if you desaturate by 10%, it is **43.9127, 55.8241, 22.0430**.

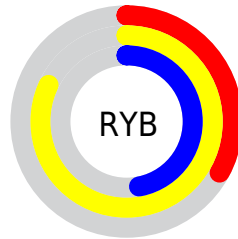
Distribution



Red (68%)

Green (82%)

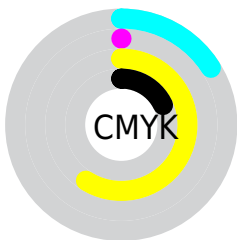
Blue (33%)



Red (33%)

Yellow (82%)

Blue (47%)

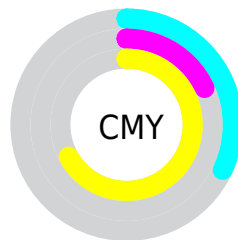


Cyan (16%)

Magenta (0%)

Yellow (59%)

Black (18%)



Cyan (32%)

Magenta (18%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6511, 54.7663, 16.9700 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 41.6511, 54.7663, 16.9700 by changing the saturation by 10% instead.

■ 41.6511, 54.7663,
16.9700

■ 41.6511, 54.7663,
16.9700

344.0509,
405.0254, 247.0375

■ 29.0181, 39.2146,
10.0514

■ 76.9398, 97.1985,
39.0641

■ 19.2389, 26.9267,
5.3270

■ 100.3262,
124.8478, 55.0767

■ 11.9480, 17.5182,
2.3783

■ 128.0278,
157.2984, 74.9577

■ 6.7802, 10.6047,
0.7746

■ 160.4099,
194.9348, 99.1256

■ 3.3702, 5.8017,
0.0000

197.8379,
238.1413, 127.9990

■ 1.3524, 2.7249,
0.0000

240.6772,

■ 0.2219, 0.9898,

287.3023, 161.9965

0.0000

289.2930,
342.8022, 201.5364

■ 0.0000, 0.0000,
0.0000

■ 41.6511, 54.7663,
16.9700

■ 41.6511, 54.7663,
16.9700

■ 39.6898, 53.8389,
13.1809

■ 43.9127, 55.8241,
22.0430

■ 38.0023, 53.0253,
10.5564

■ 46.4907, 57.0129,
28.4980

■ 36.5633, 52.3172,
8.9610

■ 49.4045, 58.3425,
36.4280

■ 35.3290, 51.6972,
8.1683

■ 52.6706, 59.8196,
45.9165

■ 35.2269, 51.6457,
8.1120

■ 56.3043, 61.4504,
57.0411

■ 60.3199, 63.2406,
69.8739

■ 64.7311, 65.1959,
84.4829

■ 69.5505, 67.3213,
100.9325

■ 71.8943, 68.4633,
104.0332

Harmonies

Analogous

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



53.0629, 54.7663, 13.8090



41.6511, 54.7663, 16.9700



34.2216, 54.7663, 29.7526

Triad

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



41.6511, 54.7663, 16.9700



40.1721, 54.7663, 139.0866



80.0722, 54.7663, 62.5492

Complementary

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



41.6511, 54.7663, 16.9700



22.2435, 14.9744, 61.3957

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.



75.2027, 54.7663, 104.8196



41.6511, 54.7663, 16.9700



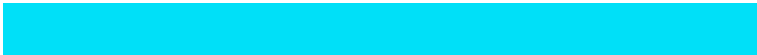
51.0574, 54.7663, 158.7383

Square

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



41.6511, 54.7663, 16.9700



33.4690, 54.7663, 97.7407



64.0585, 54.7663, 144.1986



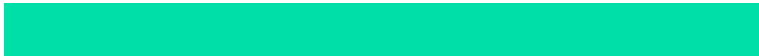
76.4914, 54.7663, 32.9926

Rectangle

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



41.6511, 54.7663, 16.9700



31.8655, 54.7663, 46.0081



64.0585, 54.7663, 144.1986



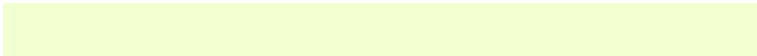
79.3543, 54.7663, 75.7085

Sweetspot

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



41.6524, 54.7688, 16.9712



84.0056, 95.0606, 74.3075



34.1090, 26.9773, 12.0044



17.6383, 20.1926, 14.8854



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.



41.6524, 54.7688, 16.9712



62.1564, 84.9852, 19.5975



31.0979, 49.3277, 16.4772



12.4715, 13.6265, 12.5849



22.0518, 32.2371, 5.0601



1.3076, 1.8409, 0.2864

Inverse Universe

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



22.2435, 14.9744, 61.3957



28.8082, 16.3962, 96.2542



33.2955, 20.6719, 61.9130



11.4661, 11.5736, 14.8733



8.2466, 3.4315, 37.4202



0.5385, 0.2318, 2.0959

Previews

White Background



This preview shows how the XYZ color 41.6511, 54.7663, 16.9700 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 41.6511, 54.7663, 16.9700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

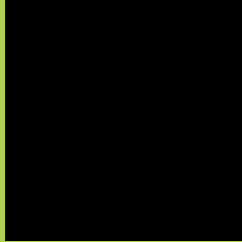
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6511, 54.7663, 16.9700

Background



This preview shows how black text looks on a background with the XYZ color 41.6511, 54.7663, 16.9700.



This preview shows how white text looks on a background with the XYZ color 41.6511, 54.7663,

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

41.6511, 54.7663, 16.9700

Protanopia

49.6156, 54.3760, 15.6652

Deuteranopia

55.5129, 54.1540, 17.4245



Tritanopia

52.2592, 54.5522, 69.4033

Trichromacy



Original Color

41.6511, 54.7663, 16.9700

Protanomaly

46.2647, 54.3353, 16.0320

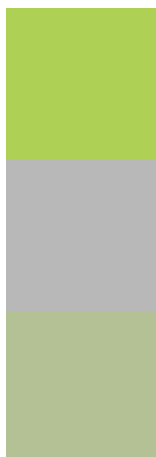
Deuteranomaly

49.4884, 53.6129, 17.1912

Tritanomaly

47.2130, 54.2155, 43.5736

Monochromacy



Original Color

41.6511, 54.7663, 16.9700

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.2377, 49.9813, 35.3855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6511, 54.7663, 16.9700 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, 208, 85)` looks like.

```
.text, #text, p{  
    color:rgb(174, 208, 85)  
}
```

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, 208, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 208, 85) }
```

Border

The CSS property to change the border of an element to XYZ 41.6511, 54.7663, 16.9700 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, 208, 85) }
```


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

```
.border{ border-color:rgb(174, 208, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 208, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 208, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 208, 85);  
box-shadow:4px 4px 4px 4px rgb(174, 208,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6511, 54.7663, 16.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 208, 85) }
```

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

```
.background{ background-color: rgb(174,  
208, 85) }
```

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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