

Converting Colors

XYZ(40.8295, 56.4182, 16.2057)

Have a look what the booklet for
XYZ(40.8295, 56.4182, 16.2057)
contains.

XYZ(40.9749, 56.6570, 16.1734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9749, 56.6570,
16.1734)**

Conversions

Conversions Part 1

Format	Color
Hex	A5D64F
RGB	165, 214, 79
RGB Percent	65%, 84%, 31%
CMY	0.3529, 0.1608, 0.6902
CMYK	0.23, 0.00, 0.63, 0.16
HSL	82°, 62%, 57%
HSV	82°, 63%, 84%
XYZ	40.9749, 56.6570, 16.1734
YIQ	183.9590, 14.1310, -52.3730

Conversions

Conversions Part 2

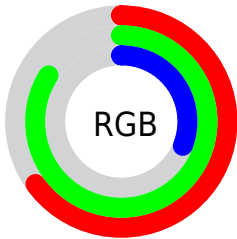
Format	Color
RYB	79, 214, 128
Decimal	10868303
CIELab	79.99, -36.02, 59.57
CIELCh	80, 69.617, 121.158
Yxy	56.6570, 0.3600, 0.4978
Android (android.graphics.Color)	4289058383 (0xFFA5D64F)
YUV	183.9590, -51.7448, -16.6270
Hunter-Lab	75.2708, -34.5546, 39.9500

Details

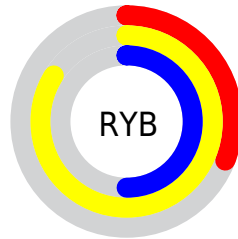
The XYZ color **40.9749, 56.6570, 16.1734** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **23.8380, 15.0378, 65.2678**, and the grayscale version is **45.8101, 48.1958, 52.4852**.

A 20% lighter version of the original color is **70.4945, 88.9292, 36.0039**, and **18.8060, 28.0880, 4.9607** is the 20% darker color. If you saturate the color by 10%, you get **38.7513, 55.5885, 12.6376**, and if you desaturate by 10%, it is **43.5500, 57.8814, 21.0364**.

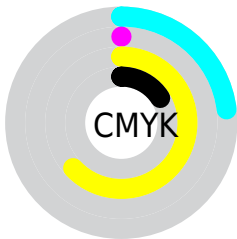
Distribution



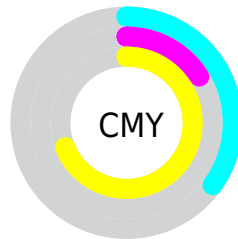
- Red (65%)
- Green (84%)
- Blue (31%)



- Red (31%)
- Yellow (84%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)





- Cyan (35%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9749, 56.6570, 16.1734 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 40.9749, 56.6570, 16.1734 by changing the saturation by 10% instead.


 40.9749, 56.6570,
16.1734


 40.9749, 56.6570,
16.1734

341.2801,
412.1628, 242.2433


 28.4871, 40.7299,
9.4913


 75.9207, 99.9645,
37.6699

 18.8355, 28.1081,
4.9618


 99.1094, 128.1138,
53.3214


 11.6547, 18.4072,
2.1665


 126.5958,
161.1059, 72.7998

 6.5796, 11.2427,
0.6550

 158.7452,
199.3252, 96.5235

 3.2446, 6.2303,
0.0000

 195.9230,
243.1562, 124.9112

 1.2844, 2.9856,
0.0000

238.4945,

 0.1715, 1.1242,

292.9831, 158.3814

0.0000

286.8251,
349.1906, 197.3525

■ 0.0000, 0.0000,
0.0000

■ 40.9749, 56.6570,
16.1734

■ 40.9749, 56.6570,
16.1734

■ 38.7513, 55.5885,
12.6376

■ 43.5500, 57.8814,
21.0364

■ 36.8484, 54.6575,
10.2932

■ 46.4961, 59.2638,
27.3375

■ 35.2356, 53.8534,
8.9822

■ 49.8355, 60.8152,
35.1802

■ 34.2534, 53.3568,
8.4936

■ 53.5875, 62.5435,
44.6573

■ 57.7699, 64.4561,
55.8545

■ 62.3992, 66.5597,
68.8512

■ 67.4912, 68.8608,
83.7222

■ 73.0606, 71.3656,
100.5378

■ 76.3307, 72.9633,
104.6680

Harmonies

Analogous

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



53.3032, 56.6570, 12.0007



40.9749, 56.6570, 16.1734



33.3765, 56.6570, 31.2402

Triad

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



40.9749, 56.6570, 16.1734



41.7733, 56.6570, 158.0989



85.8572, 56.6570, 60.1295

Complementary

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



40.9749, 56.6570, 16.1734



23.8380, 15.0378, 65.2678

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.



81.3444, 56.6570, 107.3810



40.9749, 56.6570, 16.1734



54.4021, 56.6570, 176.8503

Square

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



40.9749, 56.6570, 16.1734



33.7775, 56.6570, 111.3737



69.1756, 56.6570, 155.1701



80.6231, 56.6570, 29.5403

Rectangle

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



40.9749, 56.6570, 16.1734



31.2088, 56.6570, 50.4807



69.1756, 56.6570, 155.1701



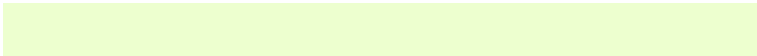
85.4247, 56.6570, 74.4464

Sweetspot

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



40.9762, 56.6595, 16.1746



82.0305, 94.0787, 72.5790



36.6379, 29.8483, 11.2282



17.1836, 19.9652, 14.5466



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.



40.9762, 56.6595, 16.1746



56.5311, 82.1300, 17.3163



30.6327, 51.3272, 15.6905



13.0154, 14.2841, 13.2318



20.8206, 32.3097, 5.1390



1.3451, 1.9948, 0.3141

Inverse Universe

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



23.8380, 15.0378, 65.2678



29.1748, 15.4482, 96.0518



37.1198, 21.8848, 65.8894



12.1640, 12.2259, 15.6562



9.3242, 3.9593, 38.7259



0.6517, 0.2848, 2.3399

Previews

White Background



This preview shows how the XYZ color 40.9749, 56.6570, 16.1734 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 40.9749, 56.6570, 16.1734 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 40.9749, 56.6570, 16.1734

Background



This preview shows how black text looks on a background with the XYZ color 40.9749, 56.6570, 16.1734.

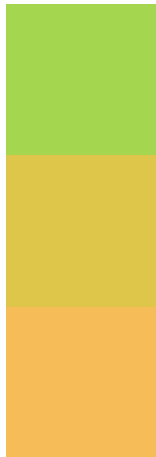


This preview shows how white text looks on a background with the XYZ color 40.9749, 56.6570,

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

40.9749, 56.6570, 16.1734

Protanopia

51.2489, 56.2547, 14.6357

Deuteranopia

57.3597, 56.0670, 16.8157



Tritanopia

52.3404, 56.2115, 73.0570

Trichromacy



Original Color

40.9749, 56.6570, 16.1734

Protanomaly

46.9848, 56.1250, 15.1943

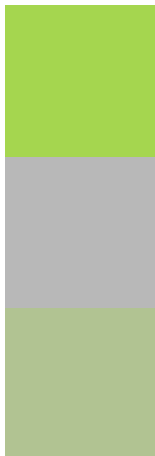
Deuteranomaly

49.8854, 55.1715, 16.4074

Tritanomaly

46.6188, 55.6459, 44.3601

Monochromacy



Original Color

40.9749, 56.6570, 16.1734

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

42.8349, 50.4526, 34.6748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9749, 56.6570, 16.1734 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(165, 214, 79)` looks like.

```
.text, #text, p{  
    color:rgb(165, 214, 79)  
}
```

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(165, 214, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 214, 79) }
```

Border

The CSS property to change the border of an element to XYZ 40.9749, 56.6570, 16.1734 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(165, 214, 79) }
```


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

```
.border{ border-color:rgb(165, 214, 79) }
```

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

Here you see how a box with a 4 pixel rgb(165, 214, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 214, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 214, 79);  
box-shadow:4px 4px 4px 4px rgb(165, 214,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9749, 56.6570, 16.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 214, 79) }
```

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

```
.background{ background-color: rgb(165,  
214, 79) }
```

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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