

Converting Colors

XYZ(34.0815, 41.5332, 16.5001)

Have a look what the booklet for
XYZ(34.0815, 41.5332, 16.5001)
contains.

XYZ(34.0229, 41.5398, 16.5807)	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(34.0229, 41.5398,
16.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B45D
RGB	166, 180, 93
RGB Percent	65%, 71%, 36%
CMY	0.3490, 0.2941, 0.6353
CMYK	0.08, 0.00, 0.48, 0.29
HSL	70°, 37%, 54%
HSV	70°, 48%, 71%
XYZ	34.0229, 41.5398, 16.5807
YIQ	165.8960, 19.5830, -30.0250

Conversions

Conversions Part 2

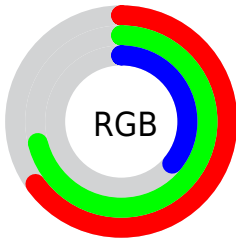
Format	Color
RYB	93, 180, 107
Decimal	10925149
CIELab	70.55, -18.06, 42.43
CIELCh	71, 46.109, 113.053
Yxy	41.5398, 0.3692, 0.4508
Android (android.graphics.Color)	4289115229 (0xFFA6B45D)
YUV	165.8960, -35.9377, 0.0912
Hunter-Lab	64.4514, -18.5625, 29.8631

Details

The XYZ color **34.0229, 41.5398, 16.5807** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.2175, 14.2508, 44.9730**, and the grayscale version is **36.3577, 38.2511, 41.6554**.

A 20% lighter version of the original color is **65.2305, 77.5648, 38.3216**, and **14.7075, 18.7979, 5.1387** is the 20% darker color. If you saturate the color by 10%, you get **32.7174, 40.9497, 12.8366**, and if you desaturate by 10%, it is **35.5317, 42.2158, 21.3155**.

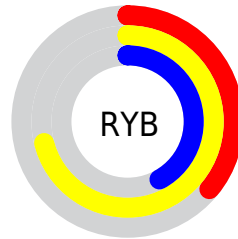
Distribution



Red (65%)

Green (71%)

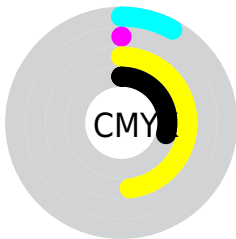
Blue (36%)



Red (36%)

Yellow (71%)

Blue (42%)

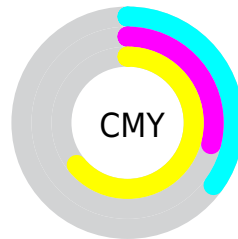


Cyan (8%)

Magenta (0%)

Yellow (48%)

Black (29%)



Cyan (35%)


Magenta (29%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0229, 41.5398, 16.5807 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 34.0229, 41.5398, 16.5807 by changing the saturation by 10% instead.


 34.0229, 41.5398,
16.5807


 34.0229, 41.5398,
16.5807


311.8183,
352.5717, 244.7059

 23.0742, 28.7411,
9.7772


 65.3133, 77.5027,
38.3842


 14.7693, 18.8851,
5.1478


 86.3857, 101.4356,
54.2212

 8.7429, 11.5873,
2.2740


 111.5634,
129.8488, 73.9065

 4.6296, 6.4633,
0.7166

 141.2117,
163.1266, 97.8586

 2.0641, 3.1288,
0.0000

175.6960,
201.6534, 126.4961

 0.6696, 1.1993,
0.0000

215.3816,

 0.0000, 0.0612,

245.8135, 160.2374

0.0000

260.6339,
295.9915, 199.5012

■ 0.0000, 0.0000,
0.0000

■ 34.0229, 41.5398,
16.5807

■ 34.0229, 41.5398,
16.5807

■ 32.7174, 40.9497,
12.8366

■ 35.5317, 42.2158,
21.3155

■ 31.5989, 40.4345,
10.0103

■ 37.2531, 42.9769,
27.1019

■ 30.6530, 39.9899,
8.0228


■ 39.1992, 43.8295,
33.9992


■ 29.8621, 39.6088,
6.7809


■ 41.3802, 44.7777,
42.0613


■ 29.1964, 39.2793,
6.1290


■ 43.8060, 45.8254,
51.3386

 29.0901, 39.2265,
6.0383

 46.4855, 46.9762,
61.8788

 49.4275, 48.2336,
73.7266

 52.6401, 49.6010,
86.9249

 56.1301, 51.0810,
101.5090

Harmonies

Analogous

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



41.2796, 41.5398, 15.0717



34.0229, 41.5398, 16.5807



28.9004, 41.5398, 24.4198

Triad

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



34.0229, 41.5398, 16.5807



31.3205, 41.5398, 87.6912



55.8698, 41.5398, 50.4928

Complementary

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



34.0229, 41.5398, 16.5807



18.2175, 14.2508, 44.9730

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.



52.3755, 41.5398, 75.4005



34.0229, 41.5398, 16.5807



37.7380, 41.5398, 100.9172

Square

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



34.0229, 41.5398, 16.5807



27.4860, 41.5398, 63.7133



45.4966, 41.5398, 95.8147



54.5424, 41.5398, 30.7189

Rectangle

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



34.0229, 41.5398, 16.5807



27.0692, 41.5398, 34.0765



45.4966, 41.5398, 95.8147



55.2066, 41.5398, 58.5845

Sweetspot

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



34.0239, 41.5417, 16.5816



72.6388, 80.1501, 67.3678



25.9588, 20.8131, 13.0056



15.5219, 17.2458, 13.9079



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0239, 41.5417, 16.5816



59.1765, 74.1807, 22.8868



26.5314, 37.6792, 16.2309



9.0601, 9.8360, 9.0736



20.3493, 27.4005, 4.2163



0.6761, 0.8806, 0.1343

Inverse Universe

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



18.2175, 14.2508, 44.9730



27.1615, 18.8346, 80.4985



24.6490, 17.5664, 45.2739



8.1652, 8.2937, 10.6768



6.1416, 2.5019, 30.2962



0.2323, 0.0989, 0.9551

Previews

White Background



This preview shows how the XYZ color 34.0229, 41.5398, 16.5807 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 34.0229, 41.5398, 16.5807 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 34.0229, 41.5398, 16.5807

Background



This preview shows how black text looks on a background with the XYZ color 34.0229, 41.5398, 16.5807.



This preview shows how white text looks on a background with the XYZ color 34.0229, 41.5398,

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

34.0229, 41.5398, 16.5807

Protanopia

37.8332, 41.1904, 15.6294

Deuteranopia

42.0115, 41.1156, 17.0311



Tritanopia

40.8265, 41.3985, 50.6387

Trichromacy



Original Color

34.0229, 41.5398, 16.5807

Protanomaly

36.2744, 41.2390, 15.9456

Deuteranomaly

38.7342, 41.0633, 16.9508

Tritanomaly

37.6543, 41.2448, 34.8306

Monochromacy



Original Color

34.0229, 41.5398, 16.5807

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.9490, 39.0969, 30.1305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0229, 41.5398, 16.5807 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(166, 180, 93)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 93)  
}
```

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(166, 180, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 93) }
```

Border

The CSS property to change the border of an element to XYZ 34.0229, 41.5398, 16.5807 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(166, 180, 93) }
```


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

```
.border{ border-color:rgb(166, 180, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 180, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 93);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0229, 41.5398, 16.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 93) }
```

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

```
.background{ background-color: rgb(166,  
180, 93) }
```

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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