

Converting Colors

XYZ(36.0719, 41.5420, 6.8358)

Have a look what the booklet for
XYZ(36.0719, 41.5420, 6.8358)
contains.

XYZ(36.1542, 41.6696, 6.8470)	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(36.1542, 41.6696,
6.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB015
RGB	187, 176, 21
RGB Percent	73%, 69%, 8%
CMY	0.2667, 0.3098, 0.9176
CMYK	0.00, 0.06, 0.89, 0.27
HSL	56°, 80%, 41%
HSV	56°, 89%, 73%
XYZ	36.1542, 41.6696, 6.8470
YIQ	161.6190, 56.3110, -45.8730

Conversions

Conversions Part 2

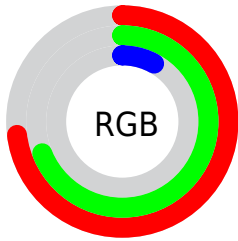
Format	Color
RYB	33, 187, 21
Decimal	12300309
CIELab	70.64, -11.18, 69.85
CIELCh	71, 70.740, 99.093
Yxy	41.6696, 0.4270, 0.4921
Android (android.graphics.Color)	4290490389 (0xFFBBB015)
YUV	161.6190, -69.3252, 22.2591
Hunter-Lab	64.5520, -12.9919, 38.8975

Details

The XYZ color **36.1542, 41.6696, 6.8470** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7957, 4.7807, 47.4198**, and the grayscale version is **34.4613, 36.2559, 39.4827**.

A 20% lighter version of the original color is **68.6134, 77.5979, 20.1657**, and **16.2609, 19.0824, 2.8262** is the 20% darker color. If you saturate the color by 10%, you get **35.7906, 41.1389, 6.1206**, and if you desaturate by 10%, it is **36.6418, 42.2566, 8.2069**.

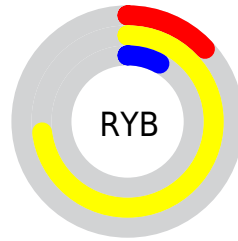
Distribution



Red (73%)

Green (69%)

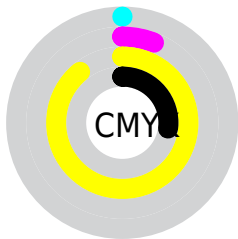
Blue (8%)



Red (13%)

Yellow (73%)

Blue (8%)

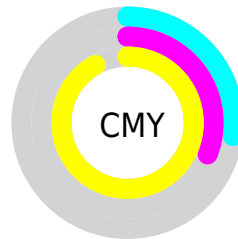


Cyan (0%)

Magenta (6%)

Yellow (89%)

Black (27%)



Cyan (27%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1542, 41.6696, 6.8470 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 36.1542, 41.6696, 6.8470 by changing the saturation by 10% instead.


 36.1542, 41.6696,
6.8470


 36.1542, 41.6696,
6.8470


321.0535,
353.1115, 175.9687


 24.7240, 28.8427,
3.2896


 68.5923, 77.6993,
20.1723

 15.9992, 18.9618,
1.2443


 90.3309, 101.6709,
30.7774

 9.6144, 11.6427,
0.0155


 116.2364,
130.1262, 44.5687

 5.2043, 6.5009,
0.0000

 146.6740,
163.4495, 61.9649

 2.4036, 3.1520,
0.0000

 182.0092,
202.0253, 83.3844

 0.8469, 1.2116,
0.0000

 222.6072,

 0.0000, 0.0711,

246.2380, 109.2459

0.0000

268.8336,
296.4719, 139.9678

■ 0.0000, 0.0000,
0.0000

■ 36.1542, 41.6696,
6.8470

■ 36.1542, 41.6696,
6.8470

■ 35.7906, 41.1389,
6.1206

■ 36.6418, 42.2566,
8.2069

■ 35.7482, 41.0744,
6.0440

■ 37.2841, 42.9075,
10.3749

■ 38.1018, 43.6320,
13.4554

■ 39.1116, 44.4370,
17.5365

■ 40.3283, 45.3283,
22.6961

■ 41.7652, 46.3114,
29.0044

■ 43.4346, 47.3910,
36.5255

■ 45.3477, 48.5716,
45.3189

■ 47.5151, 49.8577,
55.4401

Harmonies

Analogous

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



48.1921, 41.6696, 7.8671



36.1542, 41.6696, 6.8470



27.0413, 41.6696, 11.4788

Triad

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



36.1542, 41.6696, 6.8470



24.5802, 41.6696, 99.3614



64.5699, 41.6696, 72.4780

Complementary

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



36.1542, 41.6696, 6.8470



9.7957, 4.7807, 47.4198

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.



55.5605, 41.6696, 116.0355



36.1542, 41.6696, 6.8470



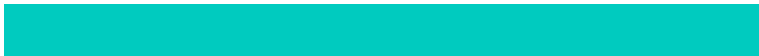
32.1050, 41.6696, 136.1478

Square

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



36.1542, 41.6696, 6.8470



21.2798, 41.6696, 56.3393



43.2702, 41.6696, 143.4168



66.2449, 41.6696, 35.9277

Rectangle

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



36.1542, 41.6696, 6.8470



23.2636, 41.6696, 19.6636



43.2702, 41.6696, 143.4168



62.2246, 41.6696, 87.1844

Sweetspot

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



36.1551, 41.6716, 6.8478



75.1745, 83.1908, 53.6080



21.0235, 11.2061, 2.4269



16.3462, 18.1812, 10.8784



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.1551, 41.6716, 6.8478



63.9559, 73.4256, 10.8017



24.9852, 39.2442, 6.9680



10.2667, 11.0094, 10.1605



24.6519, 28.3426, 4.1714



0.9821, 1.1431, 0.1689

Inverse Universe

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



9.7957, 4.7807, 47.4198



16.2506, 6.7978, 84.6570



13.7460, 6.4485, 47.5335



9.0659, 9.3241, 11.9941



6.2939, 2.6995, 32.5822



0.2641, 0.1408, 1.2821

Previews

White Background



This preview shows how the XYZ color 36.1542, 41.6696, 6.8470 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 36.1542, 41.6696, 6.8470 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 36.1542, 41.6696, 6.8470

Background



This preview shows how black text looks on a background with the XYZ color 36.1542, 41.6696, 6.8470.



This preview shows how white text looks on a background with the XYZ color 36.1542, 41.6696,

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

36.1542, 41.6696, 6.8470

Protanopia

37.5755, 41.5397, 6.6994

Deuteranopia

42.4362, 41.5553, 7.0807



Tritanopia

44.4006, 41.6913, 46.7813

Trichromacy



Original Color

36.1542, 41.6696, 6.8470

Protanomaly

37.0005, 41.5291, 6.7276

Deuteranomaly

39.9326, 41.3498, 6.9135

Tritanomaly

39.6409, 40.8307, 23.5611

Monochromacy



Original Color

36.1542, 41.6696, 6.8470

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.4825, 37.4431, 20.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1542, 41.6696, 6.8470 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(187, 176, 21)` looks like.

```
.text, #text, p{  
    color:rgb(187, 176, 21)  
}
```

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(187, 176, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 176, 21) }
```

Border

The CSS property to change the border of an element to XYZ 36.1542, 41.6696, 6.8470 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(187, 176, 21) }
```


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

```
.border{ border-color:rgb(187, 176, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 176, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 176, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 176, 21);  
box-shadow:4px 4px 4px 4px rgb(187, 176,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1542, 41.6696, 6.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 176, 21) }
```

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

```
.background{ background-color: rgb(187,  
176, 21) }
```

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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