

Converting Colors

XYZ(36.5158, 41.8469, 6.6159)

Have a look what the booklet for
XYZ(36.5158, 41.8469, 6.6159)
contains.

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Color

**XYZ(36.5978, 41.9040,
6.6113)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB00F
RGB	189, 176, 15
RGB Percent	74%, 69%, 6%
CMY	0.2588, 0.3098, 0.9411
CMYK	0.00, 0.07, 0.92, 0.26
HSL	56°, 85%, 40%
HSV	56°, 92%, 74%
XYZ	36.5978, 41.9040, 6.6113
YIQ	161.5330, 59.4290, -47.3150

Conversions

Conversions Part 2

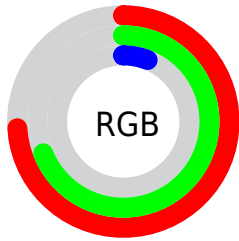
Format	Color
R _Y B	29, 189, 15
Decimal	12431375
CIE Lab	70.80, -10.40, 71.05
CIE LCh	71, 71.812, 98.330
Yxy	41.9040, 0.4300, 0.4923
Android (android.graphics.Color)	4290621455 (0xFFBDB00F)
YUV	161.5330, -72.2408, 24.0886
Hunter-Lab	64.7333, -12.3660, 39.2579

Details

The XYZ color **36.5978, 41.9040, 6.6113** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.7979, 4.6066, 48.5164**, and the grayscale version is **34.4333, 36.2265, 39.4507**.

A 20% lighter version of the original color is **69.2042, 77.9161, 19.5755**, and **16.5677, 19.2406, 2.8406** is the 20% darker color. If you saturate the color by 10%, you get **36.2935, 41.4335, 6.0846**, and if you desaturate by 10%, it is **37.0781, 42.5429, 7.7642**.

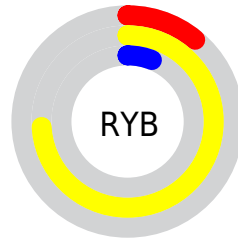
Distribution



Red (74%)

Green (69%)

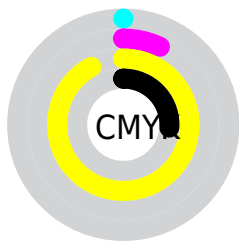
Blue (6%)



Red (11%)

Yellow (74%)

Blue (6%)

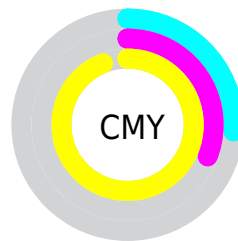


Cyan (0%)

Magenta (7%)

Yellow (92%)

Black (26%)



Cyan (26%)


Magenta (31%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5978, 41.9040, 6.6113 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 36.5978, 41.9040, 6.6113 by changing the saturation by 10% instead.


 36.5978, 41.9040,
6.6113


 36.5978, 41.9040,
6.6113


322.9518,
354.0848, 173.9002


 25.0685, 29.0261,
3.1455


 69.2716, 78.0543,
19.6862

 16.2571, 19.1006,
1.1694


 91.1468, 102.0955,
30.1325


 9.7983, 11.7430,
0.0000


 117.2014,
130.6267, 43.7426

 5.3266, 6.5689,
0.0000

 147.8006,
164.0321, 60.9351

 2.4769, 3.1940,
0.0000

 183.3100,
202.6963, 82.1286

 0.8836, 1.2338,
0.0000

 224.0947,

 0.0000, 0.0891,

247.0035, 107.7415

0.0000

270.5202,
297.3382, 138.1926

■ 0.0000, 0.0000,
0.0000

■ 36.5978, 41.9040,
6.6113

■ 36.5978, 41.9040,
6.6113

■ 36.2935, 41.4335,
6.0846

■ 37.0781, 42.5429,
7.7642

■ 37.7101, 43.2455,
9.7054

■ 38.5161, 44.0223,
12.5491

■ 39.5144, 44.8806,
16.3904

■ 40.7205, 45.8268,
21.3125

■ 42.1488, 46.8665,
27.3895

■ 43.8120, 48.0049,
34.6894

■ 45.7220, 49.2466,
43.2745

■ 47.8899, 50.5963,
53.2033

Harmonies

Analogous

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



48.9111, 41.9040, 7.7617



36.5978, 41.9040, 6.6113



27.2317, 41.9040, 11.0646

Triad

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



36.5978, 41.9040, 6.6113



24.4114, 41.9040, 99.6819



65.1677, 41.9040, 74.4298

Complementary

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



36.5978, 41.9040, 6.6113



9.7979, 4.6066, 48.5164

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.



55.8111, 41.9040, 118.9732



36.5978, 41.9040, 6.6113



31.9462, 41.9040, 137.9239

Square

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



36.5978, 41.9040, 6.6113



21.1740, 41.9040, 55.8176



43.2439, 41.9040, 146.3458



67.1012, 41.9040, 36.7578

Rectangle

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



36.5978, 41.9040, 6.6113



23.3254, 41.9040, 19.1010



43.2439, 41.9040, 146.3458



62.7079, 41.9040, 89.5256

Sweetspot

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



36.5987, 41.9060, 6.6121



76.5145, 84.6537, 53.5143



21.3852, 11.2520, 2.2406



16.1915, 18.0209, 10.3672



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.



36.5987, 41.9060, 6.6121



64.9238, 74.0511, 10.8715



25.5535, 40.1771, 6.8606



10.2596, 10.9952, 10.1582



24.4443, 27.9273, 4.1022



0.9759, 1.1306, 0.1668

Inverse Universe

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



9.7979, 4.6066, 48.5164



16.6718, 7.0222, 86.7029



13.3343, 6.0669, 48.6118



9.0722, 9.3368, 11.9962



6.3093, 2.7304, 32.5874



0.2669, 0.1464, 1.2831

Previews

White Background



This preview shows how the XYZ color 36.5978, 41.9040, 6.6113 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 36.5978, 41.9040, 6.6113 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 36.5978, 41.9040, 6.6113

Background



This preview shows how black text looks on a background with the XYZ color 36.5978, 41.9040, 6.6113.



This preview shows how white text looks on a background with the XYZ color 36.5978, 41.9040,

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

36.5978, 41.9040, 6.6113

Protanopia

37.7210, 41.9059, 6.5160

Deuteranopia

42.6985, 41.6948, 6.8961



Tritanopia

44.9313, 41.9649, 46.8062

Trichromacy



Original Color

36.5978, 41.9040, 6.6113

Protanomaly

37.4016, 42.0291, 6.5566

Deuteranomaly

40.1697, 41.4770, 6.6993

Tritanomaly

39.9785, 41.0254, 22.6412

Monochromacy



Original Color

36.5978, 41.9040, 6.6113

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5923, 37.5122, 19.9381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5978, 41.9040, 6.6113 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(189, 176, 15)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 15)  
}
```

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(189, 176, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 15) }
```

Border

The CSS property to change the border of an element to XYZ 36.5978, 41.9040, 6.6113 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(189, 176, 15) }
```


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

```
.border{ border-color:rgb(189, 176, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 15);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5978, 41.9040, 6.6113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 15) }
```

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

```
.background{ background-color: rgb(189,  
176, 15) }
```

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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