

Converting Colors

XYZ(36.2674, 41.7439, 6.1459)

Have a look what the booklet for
XYZ(36.2674, 41.7439, 6.1459)
contains.

XYZ(36.2644, 41.7420, 6.1457)	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(36.2644, 41.7420,
6.1457)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB000
RGB	188, 176, 0
RGB Percent	74%, 69%, 0%
CMY	0.2627, 0.3098, 0.9999
CMYK	0.00, 0.06, 1.00, 0.26
HSL	56°, 100%, 37%
HSV	56°, 100%, 74%
XYZ	36.2644, 41.7420, 6.1457
YIQ	159.5240, 63.6480, -52.1920

Conversions

Conversions Part 2

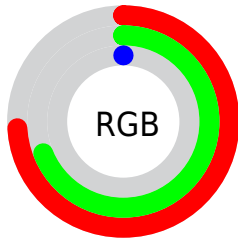
Format	Color
R_YB	13, 188, 0
Decimal	12365824
CIE Lab	70.69, -11.03, 72.75
CIE LCh	71, 73.583, 98.620
Yxy	41.7420, 0.4309, 0.4960
Android (android.graphics.Color)	4290555904 (0xFFBCB000)
YUV	159.5240, -78.6453, 24.9735
Hunter-Lab	64.6080, -12.8723, 39.5858

Details

The XYZ color **36.2644, 41.7420, 6.1457** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.2089, 3.8942, 47.8430**, and the grayscale version is **33.5261, 35.2721, 38.4113**.

A 20% lighter version of the original color is **68.6986, 77.6728, 18.7687**, and **16.4136, 19.1611, 2.8334** is the 20% darker color. If you saturate the color by 10%, you get **36.2650, 41.7435, 6.1459**, and if you desaturate by 10%, it is **36.6175, 42.2629, 6.8356**.

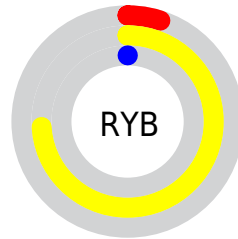
Distribution



Red (74%)

Green (69%)

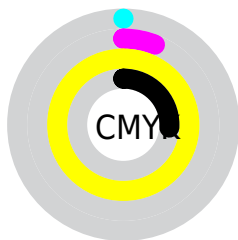
Blue (0%)



Red (5%)

Yellow (74%)

Blue (0%)

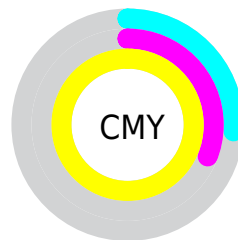


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2644, 41.7420, 6.1457 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 36.2644, 41.7420, 6.1457 by changing the saturation by 10% instead.


 36.2644, 41.7420,
6.1457


 36.2644, 41.7420,
6.1457


321.5258,
353.4123, 169.7155


 24.8095, 28.8993,
2.8637


 68.7612, 77.8090,
18.7154

 16.0632, 19.0047,
1.0254


 90.5338, 101.8021,
28.8402


 9.6600, 11.6737,
0.0000


 116.4763,
130.2808, 42.0830

 5.2346, 6.5219,
0.0000

 146.9542,
163.6296, 58.8623

 2.4218, 3.1649,
0.0000

 182.3327,
202.2327, 79.5966

 0.8560, 1.2184,
0.0000

 222.9773,

 0.0000, 0.0767,

246.4746, 104.7046

0.0000

269.2532,
296.7397, 134.6047

■ 0.0000, 0.0000,
0.0000

■ 36.2644, 41.7420,
6.1457

■ 36.2644, 41.7420,
6.1457

■ 36.2650, 41.7435,
6.1459

■ 36.6175, 42.2629,
6.8356

■ 37.0836, 42.8307,
8.1142

■ 37.7044, 43.4637,
10.1974

■ 38.5003, 44.1701,
13.1924

■ 39.4887, 44.9569,
17.1903

■ 40.6846, 45.8300,
22.2710

■ 42.1018, 46.7951,
28.5064

■ 43.7528, 47.8570,
35.9623

■ 45.6490, 49.0204,
44.6995

Harmonies

Analogous

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



48.8469, 41.7420, 7.2201



36.2644, 41.7420, 6.1457



26.7702, 41.7420, 10.5912

Triad

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



36.2644, 41.7420, 6.1457



24.0354, 41.7420, 101.5365



65.7457, 41.7420, 74.5745

Complementary

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



36.2644, 41.7420, 6.1457



9.2089, 3.8942, 47.8430

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.



56.1747, 41.7420, 120.6517



36.2644, 41.7420, 6.1457



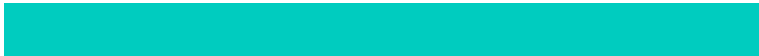
31.7289, 41.7420, 140.9854

Square

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



36.2644, 41.7420, 6.1457



20.7204, 41.7420, 56.2708



43.2920, 41.7420, 149.3584



67.6518, 41.7420, 36.1137

Rectangle

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



36.2644, 41.7420, 6.1457



22.8404, 41.7420, 18.6918



43.2920, 41.7420, 149.3584



63.2363, 41.7420, 90.1276

Sweetspot

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



36.2653, 41.7440, 6.1465



76.1652, 84.7179, 51.0461



20.8089, 10.7196, 1.3381



16.1371, 18.0559, 9.9057



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.



36.2653, 41.7440, 6.1465



65.6556, 75.5148, 11.1154



23.9916, 39.0637, 6.2761



10.2687, 11.0134, 10.1612



24.7120, 28.4629, 4.1914



0.9839, 1.1467, 0.1695

Inverse Universe

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



9.2089, 3.8942, 47.8430



16.6306, 6.9398, 86.6892



12.5116, 5.4017, 47.9599



9.0641, 9.3205, 11.9935



6.2897, 2.6911, 32.5808



0.2633, 0.1392, 1.2819

Previews

White Background



This preview shows how the XYZ color 36.2644, 41.7420, 6.1457 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 36.2644, 41.7420, 6.1457 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 36.2644, 41.7420, 6.1457

Background



This preview shows how black text looks on a background with the XYZ color 36.2644, 41.7420, 6.1457.

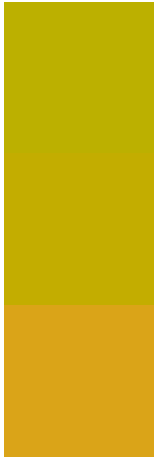


This preview shows how white text looks on a background with the XYZ color 36.2644, 41.7420,

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

36.2644, 41.7420, 6.1457

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

42.3538, 41.5223, 6.6465



Tritanopia

44.6651, 41.8276, 46.7937

Trichromacy



Original Color

36.2644, 41.7420, 6.1457

Protanomaly

36.8743, 41.4786, 6.0627

Deuteranomaly

39.8210, 41.3052, 6.3258

Tritanomaly

39.4329, 40.7772, 21.1217

Monochromacy



Original Color

36.2644, 41.7420, 6.1457

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6121, 36.7778, 17.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2644, 41.7420, 6.1457 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(188, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 0)  
}
```

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(188, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.2644, 41.7420, 6.1457 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(188, 176, 0) }
```


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

```
.border{ border-color:rgb(188, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2644, 41.7420, 6.1457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 0) }
```

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

```
.background{ background-color: rgb(188,  
176, 0) }
```

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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