

Converting Colors

XYZ(33.5849, 41.8581, 6.3093)

Have a look what the booklet for
XYZ(33.5849, 41.8581, 6.3093)
contains.

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Color

**XYZ(33.5371, 41.8184,
6.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB500
RGB	172, 181, 0
RGB Percent	67%, 71%, 0%
CMY	0.3255, 0.2902, 0.9999
CMYK	0.05, 0.00, 1.00, 0.29
HSL	63°, 100%, 35%
HSV	63°, 100%, 71%
XYZ	33.5371, 41.8184, 6.3042
YIQ	157.6750, 52.7370, -58.1990

Conversions

Conversions Part 2

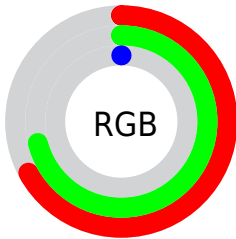
Format	Color
R _Y B	0, 181, 9
Decimal	11318528
CIE Lab	70.75, -20.59, 72.19
CIE LCh	71, 75.066, 105.916
Yxy	41.8184, 0.4107, 0.5121
Android (android.graphics.Color)	4289508608 (0xFFACB500)
YUV	157.6750, -77.7338, 12.5630
Hunter-Lab	64.6671, -20.5954, 39.4870

Details

The XYZ color **33.5371, 41.8184, 6.3042** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.4542, 3.3951, 43.9284**, and the grayscale version is **32.6783, 34.3801, 37.4399**.

A 20% lighter version of the original color is **64.6505, 78.1218, 19.0687**, and **14.7894, 19.0832, 2.9039** is the 20% darker color. If you saturate the color by 10%, you get **33.5377, 41.8202, 6.3045**, and if you desaturate by 10%, it is **33.8465, 41.9666, 6.8939**.

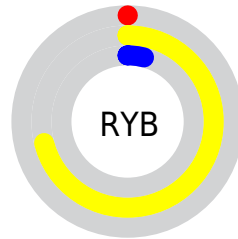
Distribution



Red (67%)

Green (71%)

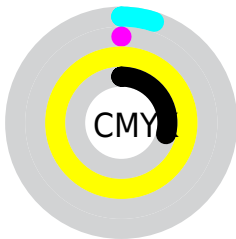
Blue (0%)



Red (0%)

Yellow (71%)

Blue (4%)

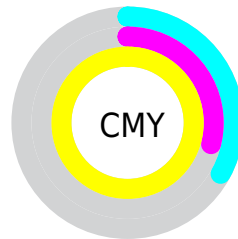


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (33%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5371, 41.8184, 6.3042 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 33.5371, 41.8184, 6.3042 by changing the saturation by 10% instead.

 33.5371, 41.8184,
6.3042


 33.5371, 41.8184,
6.3042


309.6854,
353.7296, 171.1554

 22.6994, 28.9591,
2.9592

 64.5623, 77.9247,
19.0476

 14.4912, 19.0499,
1.0738


 85.4804, 101.9405,
29.2830


 8.5471, 11.7063,
0.0000


 110.4895,
130.4440, 42.6522

 4.5017, 6.5440,
0.0000

 139.9548,
163.8195, 59.5739

 1.9897, 3.1786,
0.0000

 174.2417,
202.4514, 80.4665

 0.6282, 1.2257,
0.0000

 213.7155,

 0.0000, 0.0825,

246.7241, 105.7486

0.0000

258.7416,
297.0220, 135.8387

■ 0.0000, 0.0000,
0.0000

■ 33.5371, 41.8184,
6.3042

■ 33.5371, 41.8184,
6.3042

■ 33.5377, 41.8202,
6.3045

■ 33.8465, 41.9666,
6.8939

■ 34.2578, 42.1542,
8.0178

■ 34.8105, 42.3985,
9.8787

■ 35.5230, 42.7069,
12.5743

■ 36.4110, 43.0856,
16.1871

■ 37.4884, 43.5403,
20.7900

■ 38.7675, 44.0758,
26.4485

■ 40.2598, 44.6967,
33.2223

■ 41.9758, 45.4073,
41.1669

Harmonies

Analogous

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



45.8619, 41.8184, 6.1536



33.5371, 41.8184, 6.3042



24.9117, 41.8184, 12.5516

Triad

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



33.5371, 41.8184, 6.3042



25.3101, 41.8184, 114.6712



67.7820, 41.8184, 64.3378

Complementary

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



33.5371, 41.8184, 6.3042



8.4542, 3.3951, 43.9284

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.



59.5424, 41.8184, 111.8260



33.5371, 41.8184, 6.3042



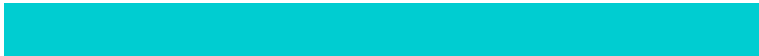
34.2016, 41.8184, 149.6599

Square

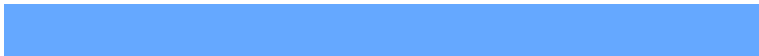
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.5371, 41.8184, 6.3042



20.8841, 41.8184, 67.0408



46.6800, 41.8184, 148.4093



67.4996, 41.8184, 29.2010

Rectangle

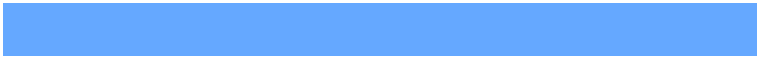
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.5371, 41.8184, 6.3042



21.6528, 41.8184, 22.8943



46.6800, 41.8184, 148.4093



65.8531, 41.8184, 79.6328

Sweetspot

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



33.5380, 41.8203, 6.3051



69.3013, 78.8814, 46.7993



19.1230, 9.9558, 0.9143



14.7652, 16.9599, 9.1649



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.



33.5380, 41.8203, 6.3051



60.0027, 74.8642, 11.2878



20.2242, 34.9568, 5.6820



9.1544, 9.8847, 9.0780



23.1366, 28.8374, 4.3468



0.7406, 0.9139, 0.1374

Inverse Universe

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



8.4542, 3.3951, 43.9284



15.0847, 6.0509, 78.6675



13.2226, 5.8533, 44.1516



8.0798, 8.2497, 10.6728



5.8451, 2.3490, 30.2823



0.1968, 0.0806, 0.9534

Previews

White Background



This preview shows how the XYZ color 33.5371, 41.8184, 6.3042 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 33.5371, 41.8184, 6.3042 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 33.5371, 41.8184, 6.3042

Background



This preview shows how black text looks on a background with the XYZ color 33.5371, 41.8184, 6.3042.



This preview shows how white text looks on a background with the XYZ color 33.5371, 41.8184,

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

33.5371, 41.8184, 6.3042

Protanopia

37.4492, 41.4892, 6.0344

Deuteranopia

42.4107, 41.5451, 6.9461



Tritanopia

42.3507, 41.6557, 49.5243

Trichromacy



Original Color

33.5371, 41.8184, 6.3042

Protanomaly

36.0189, 41.6155, 6.1342

Deuteranomaly

38.5713, 41.2106, 6.4938

Tritanomaly

36.8605, 40.8282, 22.1575

Monochromacy



Original Color

33.5371, 41.8184, 6.3042

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.0894, 35.9986, 17.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5371, 41.8184, 6.3042 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(172, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 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(172, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5371, 41.8184, 6.3042 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(172, 181, 0) }
```


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

```
.border{ border-color:rgb(172, 181, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5371, 41.8184, 6.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 0) }
```

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

```
.background{ background-color: rgb(172,  
181, 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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