

Converting Colors

XYZ(30.0296, 33.3626, 5.2530)

Have a look what the booklet for
XYZ(30.0296, 33.3626, 5.2530)
contains.

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Color

**XYZ(30.0341, 33.3731,
5.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	B09D0D
RGB	176, 157, 13
RGB Percent	69%, 62%, 5%
CMY	0.3098, 0.3843, 0.9490
CMYK	0.00, 0.11, 0.93, 0.31
HSL	53°, 86%, 37%
HSV	53°, 93%, 69%
XYZ	30.0341, 33.3731, 5.2395
YIQ	146.2650, 57.5480, -40.7560

Conversions

Conversions Part 2

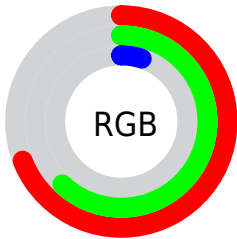
Format	Color
RYB	35, 176, 13
Decimal	11574541
CIELab	64.46, -6.26, 65.98
CIElCh	64, 66.278, 95.417
Yxy	33.3731, 0.4375, 0.4862
Android (android.graphics.Color)	4289764621 (0xFFB09D0D)
YUV	146.2650, -65.6996, 26.0776
Hunter-Lab	57.7695, -8.2951, 35.0612

Details

The XYZ color **30.0341, 33.3731, 5.2395** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.5193, 4.2537, 41.4459**, and the grayscale version is **27.6767, 29.1180, 31.7095**.

A 20% lighter version of the original color is **58.9665, 64.8152, 16.7999**, and **12.7618, 14.2300, 2.0740** is the 20% darker color. If you saturate the color by 10%, you get **29.7071, 32.8356, 4.7722**, and if you desaturate by 10%, it is **30.5543, 34.1424, 6.2495**.

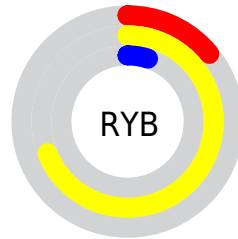
Distribution



Red (69%)

Green (62%)

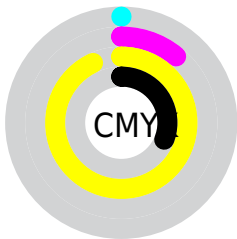
Blue (5%)



Red (14%)

Yellow (69%)

Blue (5%)

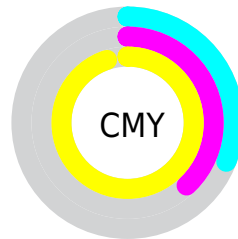


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0341, 33.3731, 5.2395 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 30.0341, 33.3731, 5.2395 by changing the saturation by 10% instead.

■ 30.0341, 33.3731,
5.2395

■ 30.0341, 33.3731,
5.2395

293.9703,
317.3276, 161.1409

■ 20.0127, 22.4124,
2.3273

■ 59.1024, 64.9576,
16.7803

■ 12.5126, 14.1603,
0.7464

■ 78.8799, 86.3502,
26.2459

■ 7.1684, 8.2322,
0.0000

■ 102.6402,
111.9889, 38.7330

■ 3.6149, 4.2439,
0.0000

■ 130.7486,
142.2581, 54.6603

■ 1.4867, 1.8109,
0.0000

■ 163.5704,
177.5421, 74.4462

■ 0.3167, 0.4940,
0.0000

■ 201.4711,

■ 0.0000, 0.0000,

218.2255, 98.5092

0.0000

244.8160,
264.6925, 127.2680

30.0341, 33.3731,
5.2395

30.0341, 33.3731,
5.2395

29.7071, 32.8356,
4.7722

30.5543, 34.1424,
6.2495

31.2058, 34.9724,
7.9250

32.0075, 35.8717,
10.3623

32.9746, 36.8468,
13.6416

34.1204, 37.9028,
17.8328

■ 35.4569, 39.0446,
22.9986

■ 36.9949, 40.2766,
29.1962

■ 38.7445, 41.6029,
36.4781

■ 40.7150, 43.0272,
44.8937

Harmonies

Analogous

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



39.9028, 33.3731, 6.5730



30.0341, 33.3731, 5.2395



22.3053, 33.3731, 8.2744

Triad

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



30.0341, 33.3731, 5.2395



19.0882, 33.3731, 75.6482



51.2975, 33.3731, 62.5955

Complementary

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



30.0341, 33.3731, 5.2395



8.5193, 4.2537, 41.4459

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.



43.4693, 33.3731, 97.4520



30.0341, 33.3731, 5.2395



24.7404, 33.3731, 107.2544

Square

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



30.0341, 33.3731, 5.2395



16.8418, 33.3731, 41.4796



33.4681, 33.3731, 116.7568



53.4870, 33.3731, 31.6392

Rectangle

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



30.0341, 33.3731, 5.2395



18.9801, 33.3731, 14.0679



33.4681, 33.3731, 116.7568



49.1715, 33.3731, 74.6398

Sweetspot

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



30.0349, 33.3747, 5.2402



65.4105, 71.7142, 46.1067



18.3095, 9.6226, 2.2608



13.9306, 15.3418, 9.0163



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.0349, 33.3747, 5.2402



53.7708, 59.3362, 8.6190



22.4752, 34.6249, 5.8799



9.1108, 9.7342, 9.0512



21.8245, 24.1476, 3.5107



0.7105, 0.8073, 0.1184

Inverse Universe

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



8.5193, 4.2537, 41.4459



14.5989, 6.4574, 74.9722



10.9207, 4.9385, 41.4515



8.1191, 8.3844, 10.6968



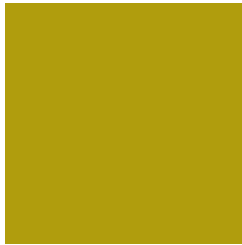
5.9633, 2.7270, 30.3491



0.2132, 0.1369, 0.9634

Previews

White Background



This preview shows how the XYZ color 30.0341, 33.3731, 5.2395 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 30.0341, 33.3731, 5.2395 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 30.0341, 33.3731, 5.2395

Background



This preview shows how black text looks on a background with the XYZ color 30.0341, 33.3731, 5.2395.



This preview shows how white text looks on a background with the XYZ color 30.0341, 33.3731,

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

30.0341, 33.3731, 5.2395

Protanopia

30.0341, 33.3731, 5.2395

Deuteranopia

33.7705, 33.1120, 5.4220



Tritanopia

36.3723, 33.3064, 36.4100

Trichromacy



Original Color

30.0341, 33.3731, 5.2395

Protanomaly

30.0341, 33.3731, 5.2395

Deuteranomaly

32.1704, 32.9991, 5.2900

Tritanomaly

32.7476, 32.7777, 17.9653

Monochromacy



Original Color

30.0341, 33.3731, 5.2395

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.0156, 29.8626, 15.8955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0341, 33.3731, 5.2395 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(176, 157, 13)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 13)  
}
```

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(176, 157, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 13) }
```

Border

The CSS property to change the border of an element to XYZ 30.0341, 33.3731, 5.2395 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(176, 157, 13) }
```


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

```
.border{ border-color:rgb(176, 157, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 157, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 157, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 157, 13);  
box-shadow:4px 4px 4px 4px rgb(176, 157,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0341, 33.3731, 5.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 13) }
```

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

```
.background{ background-color: rgb(176,  
157, 13) }
```

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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