

Converting Colors

XYZ(28.0877, 33.8741, 3.6297)

Have a look what the booklet for
XYZ(28.0877, 33.8741, 3.6297)
contains.

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Color

**XYZ(28.4070, 34.0869,
5.0822)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A300
RGB	164, 163, 0
RGB Percent	64%, 64%, 0%
CMY	0.3569, 0.3608, 0.9999
CMYK	0.00, 0.01, 1.00, 0.36
HSL	60°, 100%, 32%
HSV	60°, 100%, 64%
XYZ	28.4070, 34.0869, 5.0822
YIQ	144.7170, 52.9190, -50.4810

Conversions

Conversions Part 2

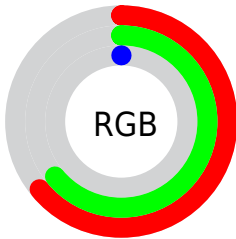
Format	Color
R _Y B	1, 164, 0
Decimal	10789632
CIE Lab	65.03, -14.98, 67.70
CIE LCh	65, 69.336, 102.474
Yxy	34.0869, 0.4204, 0.5044
Android (android.graphics.Color)	4288979712 (0xFFA4A300)
YUV	144.7170, -71.3455, 16.9112
Hunter-Lab	58.3840, -15.3220, 35.7077

Details

The XYZ color **28.4070, 34.0869, 5.0822** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7119, 2.7023, 35.2894**, and the grayscale version is **27.0655, 28.4750, 31.0093**.

A 20% lighter version of the original color is **56.7728, 66.3388, 16.4690**, and **11.9785, 14.7765, 2.2208** is the 20% darker color. If you saturate the color by 10%, you get **28.4077, 34.0884, 5.0825**, and if you desaturate by 10%, it is **28.5220, 34.1625, 5.5973**.

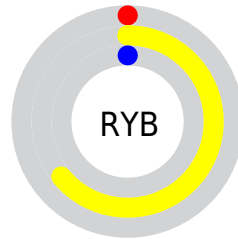
Distribution



Red (64%)

Green (64%)

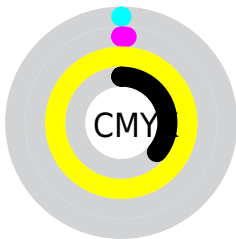
Blue (0%)



Red (0%)

Yellow (64%)

Blue (0%)

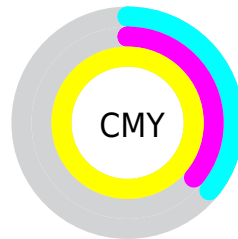


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4070, 34.0869, 5.0822 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 28.4070, 34.0869, 5.0822 by changing the saturation by 10% instead.


 28.4070, 34.0869,
5.0822


 28.4070, 34.0869,
5.0822


286.4516,
320.5194, 159.5862


 18.7747, 22.9604,
2.2360


 56.5377, 66.0688,
16.4374

 11.6106, 14.5642,
0.6950


 75.7668, 87.6929,
25.7834

 6.5494, 8.5141,
0.0000


 98.9256, 113.5850,
38.1332

 3.2258, 4.4257,
0.0000

 126.3793,
144.1296, 53.9051

 1.2742, 1.9144,
0.0000

 158.4935,
179.7109, 73.5179

 0.1638, 0.5570,
0.0000

 195.6333,

 0.0000, 0.0000,

220.7133, 97.3899

0.0000

238.1642,
267.5214, 125.9399

28.4070, 34.0869,
5.0822

28.4070, 34.0869,
5.0822

28.4077, 34.0884,
5.0825

28.5220, 34.1625,
5.5973

28.7150, 34.2679,
6.5262

29.0196, 34.4181,
8.0433

29.4505, 34.6188,
10.2246

30.0197, 34.8748,
13.1347

■ 30.7381, 35.1906,
16.8303

■ 31.6155, 35.5699,
21.3628

■ 32.6606, 36.0164,
26.7791

■ 33.8819, 36.5334,
33.1227

Harmonies

Analogous

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



38.5631, 34.0869, 5.4245



28.4070, 34.0869, 5.0822



21.0380, 34.0869, 9.4560

Triad

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



28.4070, 34.0869, 5.0822



20.1492, 34.0869, 88.3307



54.5005, 34.0869, 56.3659

Complementary

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



28.4070, 34.0869, 5.0822



6.7119, 2.7023, 35.2894

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.



47.2522, 34.0869, 94.6126



28.4070, 34.0869, 5.0822



26.9287, 34.0869, 118.6802

Square

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



28.4070, 34.0869, 5.0822



16.9749, 34.0869, 50.3762



36.7476, 34.0869, 121.4371



55.1254, 34.0869, 26.4126

Rectangle

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



28.4070, 34.0869, 5.0822



18.1233, 34.0869, 16.9866



36.7476, 34.0869, 121.4371



52.6983, 34.0869, 68.9576

Sweetspot

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



28.4078, 34.0885, 5.0829



57.2887, 64.5235, 38.2637



15.3249, 7.8988, 0.7958



12.3793, 14.0435, 7.6145



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.4078, 34.0885, 5.0829



51.5593, 61.8649, 9.2237



16.9981, 28.4698, 4.5997



7.6457, 8.2299, 7.5656



21.7832, 26.1403, 3.8975



0.4588, 0.5514, 0.0823

Inverse Universe

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



6.7119, 2.7023, 35.2894



12.1773, 4.8935, 64.0550



9.9482, 4.3546, 35.4378



6.7038, 6.8665, 8.8751



5.1474, 2.0743, 27.0589



0.1091, 0.0455, 0.5689

Previews

White Background



This preview shows how the XYZ color 28.4070, 34.0869, 5.0822 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 28.4070, 34.0869, 5.0822 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 28.4070, 34.0869, 5.0822

Background



This preview shows how black text looks on a background with the XYZ color 28.4070, 34.0869, 5.0822.



This preview shows how white text looks on a background with the XYZ color 28.4070, 34.0869,

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

28.4070, 34.0869, 5.0822

Protanopia

30.5870, 33.9187, 4.9349

Deuteranopia

34.6244, 34.0208, 5.6059



Tritanopia

35.3567, 33.8915, 39.3286

Trichromacy



Original Color

28.4070, 34.0869, 5.0822

Protanomaly

29.8044, 34.0258, 4.9968

Deuteranomaly

32.0573, 33.9163, 5.3088

Tritanomaly

31.0146, 33.1001, 17.8510

Monochromacy



Original Color

28.4070, 34.0869, 5.0822

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.1089, 29.9046, 14.5213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4070, 34.0869, 5.0822 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(164, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 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(164, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.4070, 34.0869, 5.0822 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(164, 163, 0) }
```


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

```
.border{ border-color:rgb(164, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4070, 34.0869, 5.0822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 0) }
```

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

```
.background{ background-color: rgb(164,  
163, 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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