

Converting Colors

XYZ(29.7372, 34.9882, 2.8163)

Have a look what the booklet for
XYZ(29.7372, 34.9882, 2.8163)
contains.

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Color

**XYZ(30.2887, 35.3216,
5.2214)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA400
RGB	172, 164, 0
RGB Percent	67%, 64%, 0%
CMY	0.3255, 0.3568, 0.9999
CMYK	0.00, 0.05, 1.00, 0.33
HSL	57°, 100%, 34%
HSV	57°, 100%, 67%
XYZ	30.2887, 35.3216, 5.2214
YIQ	147.6960, 57.4120, -49.3080

Conversions

Conversions Part 2

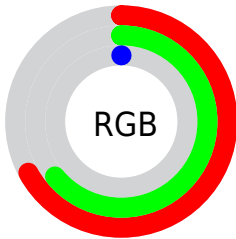
Format	Color
R_{YB}	8, 172, 0
Decimal	11314176
CIE _{Lab}	66.00, -11.92, 68.71
CIE _{LCh}	66, 69.741, 99.841
Yxy	35.3216, 0.4276, 0.4987
Android (android.graphics.Color)	4289504256 (0xFFACA400)
YUV	147.6960, -72.8141, 21.3146
Hunter-Lab	59.4320, -13.0359, 36.3935

Details

The XYZ color **30.2887, 35.3216, 5.2214** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.5335, 3.1525, 39.2407**, and the grayscale version is **28.3001, 29.7739, 32.4238**.

A 20% lighter version of the original color is **59.5910, 68.1738, 16.8555**, and **12.9754, 15.4551, 2.2993** is the 20% darker color. If you saturate the color by 10%, you get **30.2893, 35.3230, 5.2216**, and if you desaturate by 10%, it is **30.5358, 35.6515, 5.8112**.

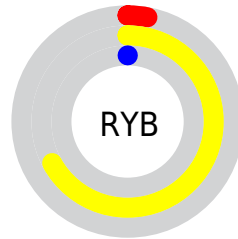
Distribution



Red (67%)

Green (64%)

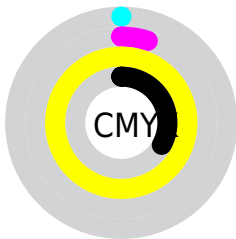
Blue (0%)



Red (3%)

Yellow (67%)

Blue (0%)

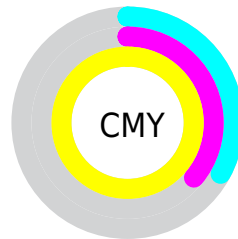


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2887, 35.3216, 5.2214 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 30.2887, 35.3216, 5.2214 by changing the saturation by 10% instead.

■ 30.2887, 35.3216,
5.2214

■ 30.2887, 35.3216,
5.2214

295.1336,
325.9856, 160.9631

■ 20.2070, 23.9107,
2.3167

■ 59.5019, 67.9837,
16.7409

■ 12.6547, 15.2674,
0.7406

■ 79.3642, 90.0037,
26.1929

■ 7.2666, 9.0073,
0.0000

■ 103.2173,
116.3288, 38.6643

■ 3.6772, 4.7459,
0.0000

■ 131.4266,
147.3435, 54.5738

■ 1.5212, 2.0990,
0.0000

■ 164.3576,
183.4321, 74.3399

■ 0.3402, 0.6640,
0.0000

■ 202.3755,

■ 0.0000, 0.0000,

224.9791, 98.3811

0.0000

245.8457,
272.3688, 127.1160

30.2887, 35.3216,
5.2214

30.2887, 35.3216,
5.2214

30.2893, 35.3230,
5.2216

30.5358, 35.6515,
5.8112

30.8722, 36.0171,
6.8699

31.3340, 36.4344,
8.5847

31.9375, 36.9098,
11.0413

32.6965, 37.4489,
14.3125

■ 33.6232, 38.0565,
18.4623

■ 34.7286, 38.7370,
23.5484

■ 36.0227, 39.4944,
29.6237

■ 37.5148, 40.3325,
36.7369

Harmonies

Analogous

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



40.8972, 35.3216, 5.9529



30.2887, 35.3216, 5.2214



22.3818, 35.3216, 9.2207

Triad

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



30.2887, 35.3216, 5.2214



20.5080, 35.3216, 87.6608



55.8971, 35.3216, 61.5972

Complementary

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



30.2887, 35.3216, 5.2214



7.5335, 3.1525, 39.2407

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.



47.9815, 35.3216, 100.8029



30.2887, 35.3216, 5.2214



27.1785, 35.3216, 120.4494

Square

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



30.2887, 35.3216, 5.2214



17.5514, 35.3216, 49.0303



37.0847, 35.3216, 126.2096



57.2066, 35.3216, 29.5285

Rectangle

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



30.2887, 35.3216, 5.2214



19.1538, 35.3216, 16.3660



37.0847, 35.3216, 126.2096



53.8536, 35.3216, 74.7257

Sweetspot

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



30.2895, 35.3233, 5.2221



62.8852, 70.2043, 42.1705



17.0604, 8.7898, 1.0448



13.4818, 15.1448, 8.3108



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.2895, 35.3233, 5.2221



54.9034, 63.9889, 9.4574



19.4310, 31.9167, 5.1369



8.6303, 9.2654, 8.5469



22.5518, 26.3091, 3.8896



0.6369, 0.7509, 0.1114

Inverse Universe

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



7.5335, 3.1525, 39.2407



13.6221, 5.6300, 71.1745



10.5401, 4.5737, 39.3566



7.6077, 7.8147, 10.0601



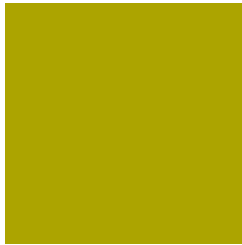
5.6172, 2.3683, 29.2056



0.1657, 0.0848, 0.8156

Previews

White Background



This preview shows how the XYZ color 30.2887, 35.3216, 5.2214 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 30.2887, 35.3216, 5.2214 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 30.2887, 35.3216, 5.2214

Background



This preview shows how black text looks on a background with the XYZ color 30.2887, 35.3216, 5.2214.



This preview shows how white text looks on a background with the XYZ color 30.2887, 35.3216,

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

30.2887, 35.3216, 5.2214

Protanopia

31.8009, 35.3135, 5.1401

Deuteranopia

36.0115, 35.2148, 5.7097



Tritanopia

37.2205, 35.0819, 39.9317

Trichromacy



Original Color

30.2887, 35.3216, 5.2214

Protanomaly

31.2804, 35.3056, 5.1660

Deuteranomaly

33.7129, 35.0179, 5.4342

Tritanomaly

32.7473, 34.2414, 17.9800

Monochromacy



Original Color

30.2887, 35.3216, 5.2214

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.4806, 31.0875, 15.1418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2887, 35.3216, 5.2214 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, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 164, 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, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2887, 35.3216, 5.2214 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, 164, 0) }
```


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

```
.border{ border-color:rgb(172, 164, 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, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2887, 35.3216, 5.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 164, 0) }
```

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

```
.background{ background-color: rgb(172,  
164, 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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