

Converting Colors

XYZ(33.0710, 35.5451, 5.1179)

Have a look what the booklet for
XYZ(33.0710, 35.5451, 5.1179)
contains.

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Color

**XYZ(32.8917, 35.3611,
5.0918)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9F00
RGB	187, 159, 0
RGB Percent	73%, 62%, 0%
CMY	0.2667, 0.3765, 0.9999
CMYK	0.00, 0.15, 1.00, 0.27
HSL	51°, 100%, 37%
HSV	51°, 100%, 73%
XYZ	32.8917, 35.3611, 5.0918
YIQ	149.2460, 67.7270, -43.5130

Conversions

Conversions Part 2

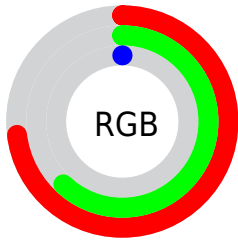
Format	Color
R _Y B	33, 187, 0
Decimal	12295936
CIE Lab	66.03, -2.54, 69.37
CIE LCh	66, 69.420, 92.093
Yxy	35.3611, 0.4485, 0.4821
Android (android.graphics.Color)	4290486016 (0xFFBB9F00)
YUV	149.2460, -73.5783, 33.1103
Hunter-Lab	59.4652, -5.3313, 36.5488

Details

The XYZ color **32.8917, 35.3611, 5.0918** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.3852, 4.4188, 47.3717**, and the grayscale version is **28.9528, 30.4606, 33.1716**.

A 20% lighter version of the original color is **63.4220, 67.8707, 16.4143**, and **14.4158, 15.3923, 2.2112** is the 20% darker color. If you saturate the color by 10%, you get **32.8920, 35.3620, 5.0920**, and if you desaturate by 10%, it is **33.4945, 36.3827, 5.8606**.

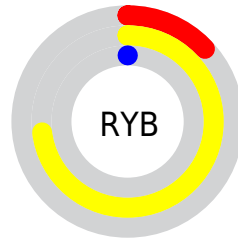
Distribution



Red (73%)

Green (62%)

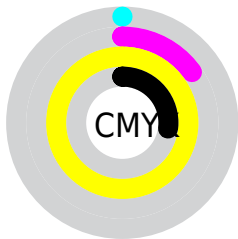
Blue (0%)



Red (13%)

Yellow (73%)

Blue (0%)

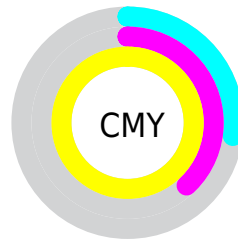


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8917, 35.3611, 5.0918 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 32.8917, 35.3611, 5.0918 by changing the saturation by 10% instead.

■ 32.8917, 35.3611,
5.0918

■ 32.8917, 35.3611,
5.0918

306.8351,
326.1593, 159.6817

■ 22.2023, 23.9412,
2.2415

■ 63.5622, 68.0448,
16.4584

■ 14.1231, 15.2900,
0.6982

■ 84.2741, 90.0773,
25.8118

■ 8.2886, 9.0232,
0.0000

■ 109.0575,
116.4162, 38.1699

■ 4.3335, 4.7563,
0.0000

■ 138.2778,
147.4458, 53.9515

■ 1.8925, 2.1050,
0.0000

■ 172.3003,
183.5505, 73.5749

■ 0.5725, 0.6674,
0.0000

■ 211.4905,

■ 0.0000, 0.0000,

225.1148, 97.4587

0.0000

256.2136,
272.5229, 126.0214

32.8917, 35.3611,
5.0918

32.8917, 35.3611,
5.0918

32.8920, 35.3620,
5.0920

33.4945, 36.3827,
5.8606

34.2178, 37.4687,
7.2133

35.1029, 38.6371,
9.3636

36.1700, 39.8961,
12.4177

37.4362, 41.2526,
16.4652

■ 38.9167, 42.7128,
21.5851

■ 40.6249, 44.2823,
27.8483

■ 42.5732, 45.9659,
35.3199

■ 44.7730, 47.7686,
44.0598

Harmonies

Analogous

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



43.7526, 35.3611, 6.9899



32.8917, 35.3611, 5.0918



24.1507, 35.3611, 7.6752

Triad

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



32.8917, 35.3611, 5.0918



19.4733, 35.3611, 77.1633



54.3151, 35.3611, 71.6006

Complementary

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



32.8917, 35.3611, 5.0918



9.3852, 4.4188, 47.3717

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.



45.2629, 35.3611, 109.2761



32.8917, 35.3611, 5.0918



25.1696, 35.3611, 113.4804

Square

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



32.8917, 35.3611, 5.0918



17.4541, 35.3611, 40.6106



34.3380, 35.3611, 127.4964



57.5286, 35.3611, 36.4681

Rectangle

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



32.8917, 35.3611, 5.0918



20.2847, 35.3611, 13.1179



34.3380, 35.3611, 127.4964



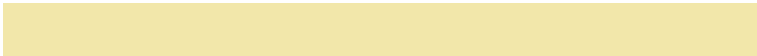
51.7741, 35.3611, 84.8951

Sweetspot

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



32.8925, 35.3628, 5.0925



72.5988, 79.1666, 49.2741



20.7039, 10.6492, 2.0668



15.6927, 17.1671, 9.7575



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.



32.8925, 35.3628, 5.0925



58.7707, 63.0553, 9.0733



25.7334, 39.6456, 6.2965



10.1972, 10.8705, 10.1374



22.7049, 24.4486, 3.5224



0.9229, 1.0248, 0.1492

Inverse Universe

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



9.3852, 4.4188, 47.3717



16.7036, 7.7039, 84.8080



11.1802, 4.7277, 47.3367



9.1287, 9.4498, 12.0151



6.5000, 3.1118, 32.6509



0.2918, 0.1963, 1.2914

Previews

White Background



This preview shows how the XYZ color 32.8917, 35.3611, 5.0918 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 32.8917, 35.3611, 5.0918 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 32.8917, 35.3611, 5.0918

Background



This preview shows how black text looks on a background with the XYZ color 32.8917, 35.3611, 5.0918.

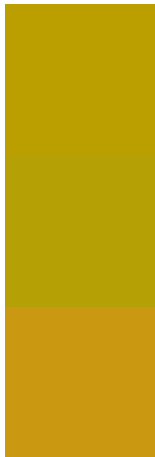


This preview shows how white text looks on a background with the XYZ color 32.8917, 35.3611,

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

32.8917, 35.3611, 5.0918

Protanopia

31.8338, 35.3266, 5.3132

Deuteranopia

35.9660, 35.1967, 5.4703



Tritanopia

39.6129, 35.4188, 37.5496

Trichromacy



Original Color

32.8917, 35.3611, 5.0918

Protanomaly

32.1212, 35.2177, 5.2196

Deuteranomaly

34.8077, 35.3372, 5.3028

Tritanomaly

35.5695, 34.7335, 17.1414

Monochromacy



Original Color

32.8917, 35.3611, 5.0918

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.5610, 31.3952, 15.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8917, 35.3611, 5.0918 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(187, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 159, 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(187, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8917, 35.3611, 5.0918 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(187, 159, 0) }
```


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

```
.border{ border-color:rgb(187, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8917, 35.3611, 5.0918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 159, 0) }
```

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

```
.background{ background-color: rgb(187,  
159, 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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