

Converting Colors

XYZ(32.3649, 38.9119, 9.0561)

Have a look what the booklet for
XYZ(32.3649, 38.9119, 9.0561)
contains.

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Color

**XYZ(32.3580, 38.7930,
9.0312)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAD34
RGB	171, 173, 52
RGB Percent	67%, 68%, 20%
CMY	0.3294, 0.3216, 0.7961
CMYK	0.01, 0.00, 0.70, 0.32
HSL	61°, 54%, 44%
HSV	61°, 70%, 68%
XYZ	32.3580, 38.7930, 9.0312
YIQ	158.6080, 37.6490, -38.0550

Conversions

Conversions Part 2

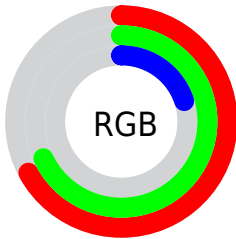
Format	Color
RYB	52, 173, 54
Decimal	11250996
CIELab	68.60, -15.53, 58.64
CIELCh	69, 60.664, 104.835
Yxy	38.7930, 0.4036, 0.4838
Android (android.graphics.Color)	4289441076 (0xFFABAD34)
YUV	158.6080, -52.5577, 10.8678
Hunter-Lab	62.2840, -16.2621, 35.0018

Details

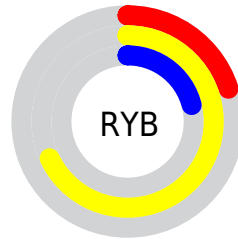
The XYZ color **32.3580, 38.7930, 9.0312** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.2933, 6.2582, 40.2030**, and the grayscale version is **32.9968, 34.7152, 37.8049**.

A 20% lighter version of the original color is **62.6580, 73.1854, 24.4594**, and **13.9076, 17.3196, 2.6100** is the 20% darker color. If you saturate the color by 10%, you get **31.9756, 38.6343, 7.3390**, and if you desaturate by 10%, it is **32.8852, 39.0125, 11.4769**.

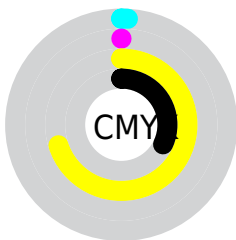
Distribution



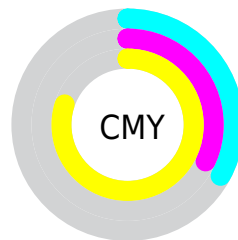
- Red (67%)
- Green (68%)
- Blue (20%)



- Red (20%)
- Yellow (68%)
- Blue (21%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (32%)





- Cyan (33%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3580, 38.7930, 9.0312 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 32.3580, 38.7930, 9.0312 by changing the saturation by 10% instead.


 32.3580, 38.7930,
9.0312


 32.3580, 38.7930,
9.0312


304.4632,
341.0096, 193.8371

 21.7920, 26.5987,
4.6644


 62.7333, 73.3220,
24.5353

 13.8199, 17.2721,
1.9965


 83.2733, 96.4255,
36.5097

 8.0763, 10.4287,
0.5531

 107.8686,
123.9342, 51.8570

 4.1961, 5.6841,
0.0000

 136.8847,
156.2325, 70.9959

 1.8136, 2.6540,
0.0000

 170.6868,
193.7048, 94.3448

 0.5259, 0.9539,
0.0000

 209.6404,

 0.0000, 0.0000,

236.7355, 122.3222

0.0000

254.1108,
285.7090, 155.3468

■ 32.3580, 38.7930,
9.0312

■ 32.3580, 38.7930,
9.0312

■ 31.9756, 38.6343,
7.3390

■ 32.8852, 39.0125,
11.4769

■ 31.7187, 38.5243,
6.3112

■ 33.5684, 39.2930,
14.7476

■ 31.5528, 38.4508,
5.7617

■ 34.4209, 39.6413,
18.9090

■ 31.5518, 38.4504,
5.7587

■ 35.4537, 40.0617,
24.0197

■ 36.6772, 40.5584,
30.1331

■ 38.1006, 41.1350,
37.2988

■ 39.7327, 41.7952,
45.5630

■ 41.5819, 42.5422,
54.9694

■ 43.6559, 43.3792,
65.5589

Harmonies

Analogous

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



41.8981, 38.7930, 9.0594



32.3580, 38.7930, 9.0312



25.3595, 38.7930, 14.8051

Triad

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



32.3580, 38.7930, 9.0312



25.3011, 38.7930, 91.3574



57.6368, 38.7930, 57.5802

Complementary

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



32.3580, 38.7930, 9.0312



10.2933, 6.2582, 40.2030

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.



51.4272, 38.7930, 91.7174



32.3580, 38.7930, 9.0312



32.2641, 38.7930, 116.2548

Square

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



32.3580, 38.7930, 9.0312



21.7905, 38.7930, 57.2199



41.7865, 38.7930, 116.4094



57.6738, 38.7930, 30.1316

Rectangle

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



32.3580, 38.7930, 9.0312



22.5984, 38.7930, 23.5585



41.7865, 38.7930, 116.4094



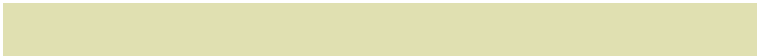
56.1602, 38.7930, 68.8460

Sweetspot

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



32.3589, 38.7948, 9.0320



65.3492, 72.4984, 52.2887



19.0828, 11.5891, 4.4805



14.0708, 15.7024, 10.7076



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.



32.3589, 38.7948, 9.0320



56.9833, 69.0689, 11.9897



22.3109, 33.6149, 8.5618



8.6494, 9.3233, 8.5571



23.1832, 28.2485, 4.2306



0.6490, 0.7879, 0.1179

Inverse Universe

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



10.2933, 6.2582, 40.2030



14.9746, 7.0914, 71.3853



15.5180, 8.9516, 40.4475



7.5907, 7.7633, 10.0511



5.5725, 2.2326, 29.1817



0.1589, 0.0641, 0.8120

Previews

White Background



This preview shows how the XYZ color 32.3580, 38.7930, 9.0312 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 32.3580, 38.7930, 9.0312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

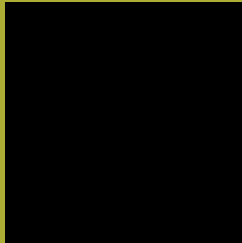
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3580, 38.7930, 9.0312

Background



This preview shows how black text looks on a background with the XYZ color 32.3580, 38.7930, 9.0312.



This preview shows how white text looks on a background with the XYZ color 32.3580, 38.7930,

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

32.3580, 38.7930, 9.0312

Protanopia

35.0937, 38.8091, 8.7732

Deuteranopia

39.4312, 38.6470, 9.2523



Tritanopia

39.8517, 38.8417, 45.4412

Trichromacy



Original Color

32.3580, 38.7930, 9.0312

Protanomaly

34.0283, 38.8122, 8.8300

Deuteranomaly

36.4707, 38.4289, 9.1097

Tritanomaly

36.0256, 38.3491, 26.6225

Monochromacy



Original Color

32.3580, 38.7930, 9.0312

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.7699, 35.6935, 22.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3580, 38.7930, 9.0312 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(171, 173, 52)` looks like.

```
.text, #text, p{  
    color:rgb(171, 173, 52)  
}
```

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(171, 173, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 173, 52) }
```

Border

The CSS property to change the border of an element to XYZ 32.3580, 38.7930, 9.0312 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(171, 173, 52) }
```


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

```
.border{ border-color:rgb(171, 173, 52) }
```

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

Here you see how a box with a 4 pixel rgb(171, 173, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 173, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 173, 52);  
box-shadow:4px 4px 4px 4px rgb(171, 173,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3580, 38.7930, 9.0312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 173, 52) }
```

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

```
.background{ background-color: rgb(171,  
173, 52) }
```

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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