

Converting Colors

XYZ(31.6570, 39.0193, 2.4364)

Have a look what the booklet for
XYZ(31.6570, 39.0193, 2.4364)
contains.

XYZ(32.3432, 39.4306, 5.9062)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.3432, 39.4306,
5.9062)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAF00
RGB	172, 175, 0
RGB Percent	67%, 69%, 0%
CMY	0.3255, 0.3137, 0.9999
CMYK	0.02, 0.00, 1.00, 0.31
HSL	61°, 100%, 34%
HSV	61°, 100%, 69%
XYZ	32.3432, 39.4306, 5.9062
YIQ	154.1530, 54.3870, -55.0610

Conversions

Conversions Part 2

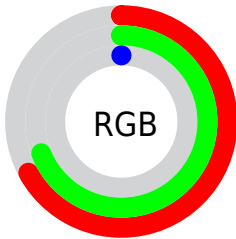
Format	Color
RYB	0, 175, 3
Decimal	11316992
CIELab	69.06, -17.57, 70.95
CIELCh	69, 73.094, 103.911
Yxy	39.4306, 0.4164, 0.5076
Android (android.graphics.Color)	4289507072 (0xFFACAF00)
YUV	154.1530, -75.9974, 15.6518
Hunter-Lab	62.7938, -17.9491, 38.3790

Details

The XYZ color **32.3432, 39.4306, 5.9062** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.7764, 3.1152, 40.7514**, and the grayscale version is **31.0910, 32.7102, 35.6214**.

A 20% lighter version of the original color is **62.6270, 74.1326, 18.2160**, and **14.1532, 17.8108, 2.6919** is the 20% darker color. If you saturate the color by 10%, you get **32.3439, 39.4324, 5.9065**, and if you desaturate by 10%, it is **32.5153, 39.5086, 6.4640**.

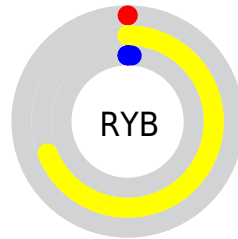
Distribution



Red (67%)

Green (69%)

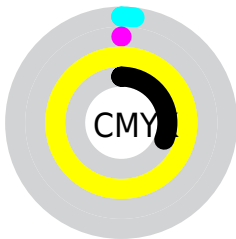
Blue (0%)



Red (0%)

Yellow (69%)

Blue (1%)

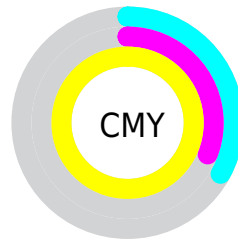


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3432, 39.4306, 5.9062 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 32.3432, 39.4306, 5.9062 by changing the saturation by 10% instead.


 32.3432, 39.4306,
5.9062


 32.3432, 39.4306,
5.9062


304.3973,
343.7178, 167.5080

 21.7806, 27.0949,
2.7203


 62.7103, 74.2957,
18.2102

 13.8115, 17.6445,
0.9536


 83.2455, 97.5938,
28.1653

 8.0705, 10.6951,
0.0000


 107.8356,
125.3148, 41.2139

 4.1923, 5.8622,
0.0000

 136.8460,
157.8432, 57.7745

 1.8115, 2.7615,
0.0000

 170.6420,
195.5633, 78.2657

 0.5246, 1.0085,
0.0000

 209.5890,

 0.0000, 0.0000,

238.8595, 103.1060

0.0000

254.0523,
288.1162, 132.7139

■ 32.3432, 39.4306,
5.9062

■ 32.3432, 39.4306,
5.9062

■ 32.3439, 39.4324,
5.9065

■ 32.5153, 39.5086,
6.4640

■ 32.7799, 39.6220,
7.5117

■ 33.1742, 39.7874,
9.2417

■ 33.7152, 40.0115,
11.7436

■ 34.4174, 40.3001,
15.0933

■ 35.2934, 40.6582,
19.3577

■ 36.3547, 41.0905,
24.5971

■ 37.6118, 41.6011,
30.8666

■ 39.0743, 42.1938,
38.2171

Harmonies

Analogous

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



44.0390, 39.4306, 6.0762



32.3432, 39.4306, 5.9062



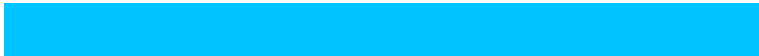
23.9828, 39.4306, 11.3047

Triad

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



32.3432, 39.4306, 5.9062



23.5380, 39.4306, 104.6145



63.4025, 39.4306, 63.2939

Complementary

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



32.3432, 39.4306, 5.9062



7.7764, 3.1152, 40.7514

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.



55.2710, 39.4306, 107.7714



32.3432, 39.4306, 5.9062



31.6026, 39.4306, 138.8622

Square

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



32.3432, 39.4306, 5.9062



19.6593, 39.4306, 60.2885



43.1285, 39.4306, 140.2486



63.7163, 39.4306, 29.2761

Rectangle

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



32.3432, 39.4306, 5.9062



20.7363, 39.4306, 20.4383



43.1285, 39.4306, 140.2486



61.4274, 39.4306, 77.8032

Sweetspot

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



32.3441, 39.4324, 5.9070



64.9970, 73.5426, 43.5089



17.7122, 9.1782, 0.8385



14.2642, 16.2715, 8.7690



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.



32.3441, 39.4324, 5.9070



57.9028, 70.6070, 10.5767



19.0406, 32.5743, 5.2844



8.6489, 9.3231, 8.5571



23.1668, 28.2400, 4.2298



0.6487, 0.7878, 0.1179

Inverse Universe

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



7.7764, 3.1152, 40.7514



13.9070, 5.5684, 72.9787



11.9967, 5.2909, 40.9489



7.5912, 7.7635, 10.0511



5.5737, 2.2332, 29.1818



0.1591, 0.0642, 0.8120

Previews

White Background



This preview shows how the XYZ color 32.3432, 39.4306, 5.9062 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 32.3432, 39.4306, 5.9062 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 32.3432, 39.4306, 5.9062

Background



This preview shows how black text looks on a background with the XYZ color 32.3432, 39.4306, 5.9062.



This preview shows how white text looks on a background with the XYZ color 32.3432, 39.4306,

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

32.3432, 39.4306, 5.9062

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

40.2092, 39.3669, 6.5162



Tritanopia

40.6022, 39.4799, 46.0379

Trichromacy



Original Color

32.3432, 39.4306, 5.9062

Protanomaly

34.0913, 39.1931, 5.7682

Deuteranomaly

36.8450, 38.9565, 6.1077

Tritanomaly

35.5104, 38.4884, 20.5963

Monochromacy



Original Color

32.3432, 39.4306, 5.9062

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.8229, 34.2996, 16.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3432, 39.4306, 5.9062 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, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 175, 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, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3432, 39.4306, 5.9062 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, 175, 0) }
```


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

```
.border{ border-color:rgb(172, 175, 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, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3432, 39.4306, 5.9062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 175, 0) }
```

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

```
.background{ background-color: rgb(172,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor