

Converting Colors

XYZ(32.1840, 35.0804, 5.0749)

Have a look what the booklet for
XYZ(32.1840, 35.0804, 5.0749)
contains.

XYZ(32.1653, 34.9866, 5.0578)	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(32.1653, 34.9866,
5.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	B89F00
RGB	184, 159, 0
RGB Percent	72%, 62%, 0%
CMY	0.2784, 0.3765, 0.9999
CMYK	0.00, 0.14, 1.00, 0.28
HSL	52°, 100%, 36%
HSV	52°, 100%, 72%
XYZ	32.1653, 34.9866, 5.0578
YIQ	148.3490, 65.9390, -44.1490

Conversions

Conversions Part 2

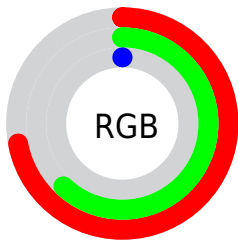
Format	Color
R_YB	29, 184, 0
Decimal	12099328
CIE Lab	65.74, -3.89, 69.03
CIE LCh	66, 69.143, 93.222
Yxy	34.9866, 0.4454, 0.4845
Android (android.graphics.Color)	4290289408 (0xFFB89F00)
YUV	148.3490, -73.1361, 31.2659
Hunter-Lab	59.1495, -6.4438, 36.3348

Details

The XYZ color **32.1653, 34.9866, 5.0578** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.9997, 4.1564, 45.6750**, and the grayscale version is **28.5727, 30.0607, 32.7361**.

A 20% lighter version of the original color is **62.3725, 67.3296, 16.3651**, and **13.9667, 15.1607, 2.1902** is the 20% darker color. If you saturate the color by 10%, you get **32.1657, 34.9876, 5.0580**, and if you desaturate by 10%, it is **32.7129, 35.9018, 5.7958**.

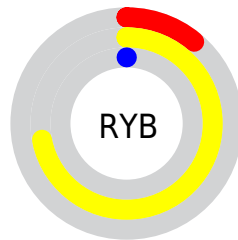
Distribution



Red (72%)

Green (62%)

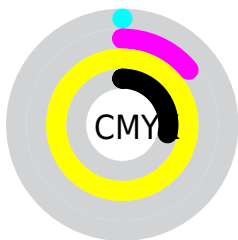
Blue (0%)



Red (11%)

Yellow (72%)

Blue (0%)

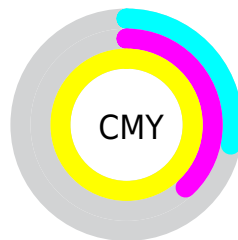


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1653, 34.9866, 5.0578 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 32.1653, 34.9866, 5.0578 by changing the saturation by 10% instead.


 32.1653, 34.9866,
5.0578


 32.1653, 34.9866,
5.0578


303.6035,
324.5092, 159.3430


 21.6439, 23.6526,
2.2219


 62.4336, 67.4650,
16.3840

 13.7106, 15.0761,
0.6870


 82.9112, 89.3782,
25.7113


 8.0000, 8.8728,
0.0000


 107.4383,
115.5865, 38.0396

 4.1468, 4.6583,
0.0000

 136.3803,
146.4743, 53.7872

 1.7855, 2.0482,
0.0000

 170.1024,
182.4261, 73.3729

 0.5089, 0.6353,
0.0000

 208.9701,

 0.0000, 0.0000,

223.8263, 97.2150

0.0000

253.3487,
271.0592, 125.7322

32.1653, 34.9866,
5.0578

32.1653, 34.9866,
5.0578

32.1657, 34.9876,
5.0580

32.7129, 35.9018,
5.7958

33.3743, 36.8751,
7.0936

34.1897, 37.9242,
9.1595

35.1787, 39.0567,
12.0952

36.3575, 40.2795,
15.9869

■ 37.7407, 41.5983,
20.9104

■ 39.3411, 43.0184,
26.9340

■ 41.1708, 44.5446,
34.1199

■ 43.2406, 46.1814,
42.5258

Harmonies

Analogous

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



42.8771, 34.9866, 6.7616



32.1653, 34.9866, 5.0578



23.6391, 34.9866, 7.8067

Triad

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



32.1653, 34.9866, 5.0578



19.4174, 34.9866, 77.8125



53.9734, 34.9866, 69.3508

Complementary

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



32.1653, 34.9866, 5.0578



8.9997, 4.1564, 45.6750

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.



45.1750, 34.9866, 106.8852



32.1653, 34.9866, 5.0578



25.1901, 34.9866, 113.2785

Square

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



32.1653, 34.9866, 5.0578



17.2865, 34.9866, 41.3340



34.3664, 34.9866, 125.9759



56.8810, 34.9866, 35.0288

Rectangle

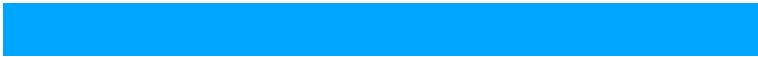
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.1653, 34.9866, 5.0578



19.9082, 34.9866, 13.4200



34.3664, 34.9866, 125.9759



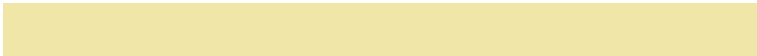
51.5291, 34.9866, 82.4906

Sweetspot

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



32.1661, 34.9883, 5.0585



71.1594, 77.8474, 48.2188



19.9722, 10.2726, 2.0046



15.0701, 16.5461, 9.3659



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.1661, 34.9883, 5.0585



58.1794, 63.1647, 9.1256



24.8314, 38.2456, 6.0738



9.6434, 10.2897, 9.5847



22.2064, 24.1892, 3.4986



0.8118, 0.9108, 0.1330

Inverse Universe

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



8.9997, 4.1564, 45.6750



16.2154, 7.3371, 82.7662



10.7929, 4.5647, 45.6593



8.6169, 8.9110, 11.3453



6.2333, 2.9263, 31.4894



0.2516, 0.1668, 1.1207

Previews

White Background



This preview shows how the XYZ color 32.1653, 34.9866, 5.0578 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 32.1653, 34.9866, 5.0578 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 32.1653, 34.9866, 5.0578

Background



This preview shows how black text looks on a background with the XYZ color 32.1653, 34.9866, 5.0578.

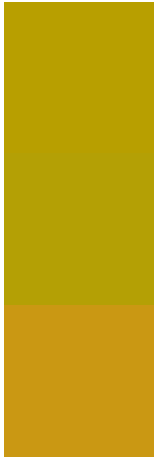


This preview shows how white text looks on a background with the XYZ color 32.1653, 34.9866,

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

32.1653, 34.9866, 5.0578

Protanopia

31.4206, 34.8559, 5.2154

Deuteranopia

35.7029, 35.0600, 5.5016



Tritanopia

38.8402, 35.0205, 37.5134

Trichromacy



Original Color

32.1653, 34.9866, 5.0578

Protanomaly

31.6433, 34.9719, 5.1686

Deuteranomaly

34.2934, 35.0713, 5.3098

Tritanomaly

34.8124, 34.3432, 17.1060

Monochromacy



Original Color

32.1653, 34.9866, 5.0578

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.9466, 30.8417, 15.0698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1653, 34.9866, 5.0578 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(184, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.1653, 34.9866, 5.0578 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(184, 159, 0) }
```


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

```
.border{ border-color:rgb(184, 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(184, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1653, 34.9866, 5.0578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 159, 0) }
```

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

```
.background{ background-color: rgb(184,  
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](#).

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