

Converting Colors

XYZ(34.0133, 36.0372, 5.1644)

Have a look what the booklet for
XYZ(34.0133, 36.0372, 5.1644)
contains.

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Color

**XYZ(33.8840, 35.8726,
5.1382)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9F00
RGB	191, 159, 0
RGB Percent	75%, 62%, 0%
CMY	0.2510, 0.3765, 0.9999
CMYK	0.00, 0.17, 1.00, 0.25
HSL	50°, 100%, 37%
HSV	50°, 100%, 75%
XYZ	33.8840, 35.8726, 5.1382
YIQ	150.4420, 70.1110, -42.6650

Conversions

Conversions Part 2

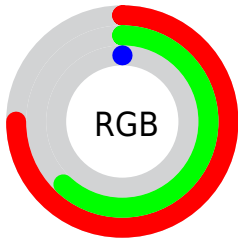
Format	Color
R _Y B	38, 191, 0
Decimal	12558080
CIE Lab	66.42, -0.74, 69.83
CIE LCh	66, 69.838, 90.605
Yxy	35.8726, 0.4524, 0.4790
Android (android.graphics.Color)	4290748160 (0xFFBF9F00)
YUV	150.4420, -74.1679, 35.5694
Hunter-Lab	59.8937, -3.8303, 36.8392

Details

The XYZ color **33.8840, 35.8726, 5.1382** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.9208, 4.7951, 49.6926**, and the grayscale version is **29.4639, 30.9984, 33.7572**.

A 20% lighter version of the original color is **64.8479, 68.6057, 16.4810**, and **15.0354, 15.7117, 2.2402** is the 20% darker color. If you saturate the color by 10%, you get **33.8843, 35.8735, 5.1384**, and if you desaturate by 10%, it is **34.5607, 37.0366, 5.9484**.

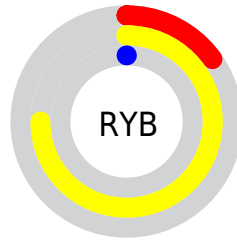
Distribution



Red (75%)

Green (62%)

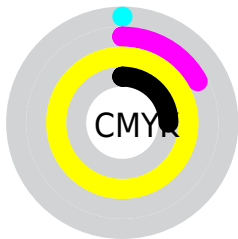
Blue (0%)



Red (15%)

Yellow (75%)

Blue (0%)

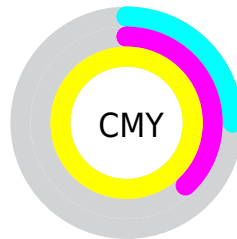


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8840, 35.8726, 5.1382 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 33.8840, 35.8726, 5.1382 by changing the saturation by 10% instead.

■ 33.8840, 35.8726,
5.1382

■ 33.8840, 35.8726,
5.1382

311.2095,
328.4034, 160.1422

■ 22.9670, 24.3358,
2.2684

■ 65.0987, 68.8354,
16.5597

■ 14.6897, 15.5829,
0.7134

■ 86.1271, 91.0302,
25.9485

■ 8.6868, 9.2295,
0.0000

■ 111.2567,
117.5464, 38.3474

■ 4.5929, 4.8912,
0.0000

■ 140.8528,
148.7685, 54.1749

■ 2.0427, 2.1836,
0.0000

■ 175.2808,
185.0809, 73.8496

■ 0.6578, 0.7110,
0.0000

■ 214.9060,

■ 0.0000, 0.0000,

226.8679, 97.7900

0.0000

260.0938,
274.5139, 126.4147

33.8840, 35.8726,
5.1382

33.8840, 35.8726,
5.1382

33.8843, 35.8735,
5.1384

34.5607, 37.0366,
5.9484

35.3672, 38.2740,
7.3754

36.3465, 39.6037,
9.6406

37.5198, 41.0343,
12.8559

38.9053, 42.5731,
17.1161

■ 40.5188, 44.2269,
22.5042

■ 42.3747, 46.0013,
29.0952

■ 44.4859, 47.9018,
36.9574

■ 46.8647, 49.9334,
46.1539

Harmonies

Analogous

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



44.9480, 35.8726, 7.3033



33.8840, 35.8726, 5.1382



24.8492, 35.8726, 7.5039

Triad

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



33.8840, 35.8726, 5.1382



19.5524, 35.8726, 76.3242



54.7862, 35.8726, 74.6903

Complementary

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



33.8840, 35.8726, 5.1382



9.9208, 4.7951, 49.6926

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.



45.3915, 35.8726, 112.5443



33.8840, 35.8726, 5.1382



25.1481, 35.8726, 113.7798

Square

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



33.8840, 35.8726, 5.1382



17.6828, 35.8726, 39.6702



34.3085, 35.8726, 129.5744



58.4133, 35.8726, 38.4544

Rectangle

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



33.8840, 35.8726, 5.1382



20.7981, 35.8726, 12.7255



34.3085, 35.8726, 129.5744



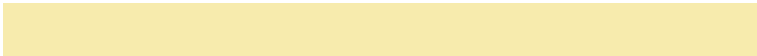
52.1146, 35.8726, 88.1915

Sweetspot

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



33.8848, 35.8743, 5.1389



75.7233, 82.2309, 51.4899



21.7896, 11.1981, 2.6053



16.3066, 17.7543, 10.1507



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.8848, 35.8743, 5.1389



60.5318, 63.9388, 9.1511



27.9167, 42.0485, 6.6452



10.1825, 10.8410, 10.1325



22.3193, 23.6775, 3.3939



0.9109, 1.0008, 0.1452

Inverse Universe

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



9.9208, 4.7951, 49.6926



17.6507, 8.3533, 88.9612



11.2974, 4.7379, 49.6090



9.1422, 9.4768, 12.0196



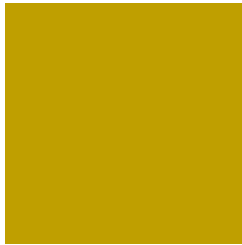
6.5604, 3.2325, 32.6711



0.2977, 0.2081, 1.2933

Previews

White Background



This preview shows how the XYZ color 33.8840, 35.8726, 5.1382 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 33.8840, 35.8726, 5.1382 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 33.8840, 35.8726, 5.1382

Background



This preview shows how black text looks on a background with the XYZ color 33.8840, 35.8726, 5.1382.

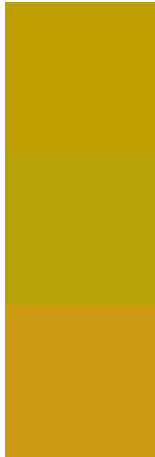


This preview shows how white text looks on a background with the XYZ color 33.8840, 35.8726,

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

33.8840, 35.8726, 5.1382

Protanopia

32.4871, 35.9233, 5.4226

Deuteranopia

36.3866, 35.6572, 5.4550



Tritanopia

40.6673, 35.9624, 37.5989

Trichromacy



Original Color

33.8840, 35.8726, 5.1382

Protanomaly

33.0165, 35.9376, 5.3114

Deuteranomaly

35.3293, 35.6067, 5.2979

Tritanomaly

36.6032, 35.2664, 17.1898

Monochromacy



Original Color

33.8840, 35.8726, 5.1382

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9738, 31.6080, 15.4003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8840, 35.8726, 5.1382 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(191, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.8840, 35.8726, 5.1382 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(191, 159, 0) }
```


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

```
.border{ border-color:rgb(191, 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(191, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8840, 35.8726, 5.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 159, 0) }
```

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

```
.background{ background-color: rgb(191,  
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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