

Converting Colors

XYZ(35.6285, 38.6099, 5.5746)

Have a look what the booklet for
XYZ(35.6285, 38.6099, 5.5746)
contains.

| | |
|------------------------------------------------|----|
| XYZ(35.6285, 38.6099, 5.5746) | 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(35.6285, 38.6099,
5.5746)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C1A600 |
| RGB | 193, 166, 0 |
| RGB Percent | 76%, 65%, 0% |
| CMY | 0.2431, 0.3490, 0.9999 |
| CMYK | 0.00, 0.14, 1.00, 0.24 |
| HSL | 52°, 100%, 38% |
| HSV | 52°, 100%, 76% |
| XYZ | 35.6285, 38.6099, 5.5746 |
| YIQ | 155.1490, 69.3780, -45.9020 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 31, 193, 0 |
| Decimal | 12690944 |
| CIE Lab | 68.47, -3.57, 71.37 |
| CIE LCh | 68, 71.459, 92.864 |
| Yxy | 38.6099, 0.4464, 0.4838 |
| Android (android.graphics.Color) | 4290881024 (0xFFC1A600) |
| YUV | 155.1490, -76.4885, 33.1953 |
| Hunter-Lab | 62.1369, -6.3899, 38.1766 |

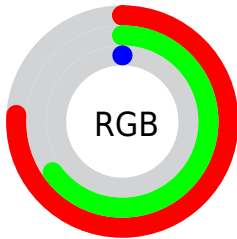
Details

The XYZ color **35.6285, 38.6099, 5.5746** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **10.0178, 4.6346, 50.8181**, and the grayscale version is **31.5302, 33.1722, 36.1246**.

A 20% lighter version of the original color is **67.7040, 73.1314, 17.5686**, and **16.1224, 17.4124, 2.5112** is the 20% darker color. If you saturate the color by 10%, you get **35.6289, 38.6110, 5.5748**, and if you desaturate by 10%, it is **36.2455, 39.6517, 6.3735**.

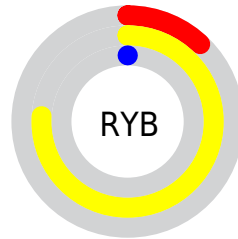
Distribution



Red (76%)

Green (65%)

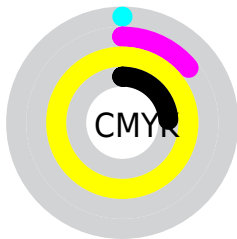
Blue (0%)



Red (12%)

Yellow (76%)

Blue (0%)

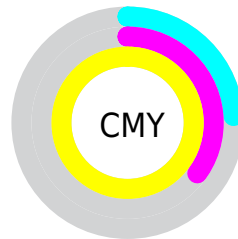


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6285, 38.6099, 5.5746 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 35.6285, 38.6099, 5.5746 by changing the saturation by 10% instead.

■ 35.6285, 38.6099,
5.5746

■ 35.6285, 38.6099,
5.5746

318.7935,
340.2291, 164.3841

■ 24.3162, 26.4564,
2.5236

■ 67.7859, 73.0420,
17.5035

■ 15.6943, 17.1654,
0.8526

■ 89.3617, 96.0894,
27.2185

■ 9.3976, 10.3525,
0.0000

■ 115.0894,
123.5368, 39.9919

■ 5.0606, 5.6333,
0.0000

■ 145.3343,
155.7688, 56.2423

■ 2.3180, 2.6234,
0.0000

■ 180.4619,
193.1696, 76.3881

■ 0.8038, 0.9384,
0.0000

■ 220.8373,

■ 0.0000, 0.0000,

236.1236, 100.8481

0.0000

266.8261,
285.0153, 130.0405

35.6285, 38.6099,
5.5746

35.6285, 38.6099,
5.5746

35.6289, 38.6110,
5.5748

36.2455, 39.6517,
6.3735

36.9914, 40.7602,
7.8040

37.9098, 41.9543,
10.0915

39.0226, 43.2430,
13.3509

40.3483, 44.6337,
17.6794

■ 41.9032, 46.1330,
23.1623

■ 43.7018, 47.7469,
29.8765

■ 45.7577, 49.4809,
37.8919

■ 48.0830, 51.3399,
47.2735

Harmonies

Analogous

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



47.4616, 38.6099, 7.5156



35.6285, 38.6099, 5.5746



26.1766, 38.6099, 8.5401

Triad

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



35.6285, 38.6099, 5.5746



21.3755, 38.6099, 85.3551



59.4812, 38.6099, 77.0529

Complementary

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



35.6285, 38.6099, 5.5746



10.0178, 4.6346, 50.8181

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.



49.7161, 38.6099, 118.3856



35.6285, 38.6099, 5.5746



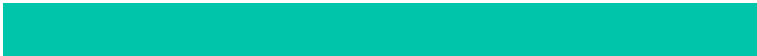
27.6980, 38.6099, 124.6590

Square

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



35.6285, 38.6099, 5.5746



19.0707, 38.6099, 45.2079



37.7878, 38.6099, 139.0820



62.7852, 38.6099, 39.0229

Rectangle

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



35.6285, 38.6099, 5.5746



22.0264, 38.6099, 14.6541



37.7878, 38.6099, 139.0820



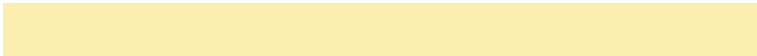
56.7592, 38.6099, 91.5587

Sweetspot

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



35.6294, 38.6118, 5.5754



78.1072, 85.3734, 52.8834



22.2136, 11.4262, 2.1946



16.4531, 18.0474, 10.1995



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.



35.6294, 38.6118, 5.5754



63.6750, 68.8785, 9.9389



27.5938, 42.5338, 6.7559



10.7895, 11.5103, 10.7149



23.7417, 25.7691, 3.7226



1.0595, 1.1809, 0.1721

Inverse Universe

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



10.0178, 4.6346, 50.8181



17.8393, 8.0953, 90.9826



11.9790, 5.0637, 50.7976



9.6394, 9.9702, 12.7012



6.6982, 3.1529, 33.8121



0.3269, 0.2113, 1.4734

Previews

White Background



This preview shows how the XYZ color 35.6285, 38.6099, 5.5746 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 35.6285, 38.6099, 5.5746 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 35.6285, 38.6099, 5.5746

Background



This preview shows how black text looks on a background with the XYZ color 35.6285, 38.6099, 5.5746.

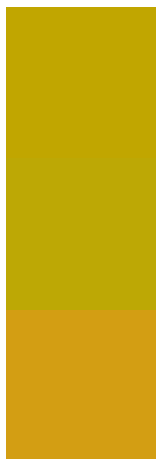


This preview shows how white text looks on a background with the XYZ color 35.6285, 38.6099,

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

35.6285, 38.6099, 5.5746

Protanopia

35.0163, 38.8350, 5.7939

Deuteranopia

39.2084, 38.3496, 5.9518



Tritanopia

42.7957, 38.4209, 41.2368

Trichromacy



Original Color

35.6285, 38.6099, 5.5746

Protanomaly

35.0704, 38.5912, 5.6866

Deuteranomaly

37.7131, 38.3537, 5.7631

Tritanomaly

38.3816, 37.6364, 18.8773

Monochromacy



Original Color

35.6285, 38.6099, 5.5746

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0125, 34.1321, 16.7580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6285, 38.6099, 5.5746 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(193, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 166, 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(193, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.6285, 38.6099, 5.5746 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(193, 166, 0) }
```


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

```
.border{ border-color:rgb(193, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6285, 38.6099, 5.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 166, 0) }
```

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

```
.background{ background-color: rgb(193,  
166, 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