

Converting Colors

XYZ(35.8123, 35.2549, 6.9249)

Have a look what the booklet for
XYZ(35.8123, 35.2549, 6.9249)
contains.

XYZ(35.8616, 35.3532, 6.9412)	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(35.8616, 35.3532,
6.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	C99928
RGB	201, 153, 40
RGB Percent	79%, 60%, 16%
CMY	0.2118, 0.4000, 0.8431
CMYK	0.00, 0.24, 0.80, 0.21
HSL	42°, 67%, 47%
HSV	42°, 80%, 79%
XYZ	35.8616, 35.3532, 6.9412
YIQ	154.4700, 64.8810, -24.9670

Conversions

Conversions Part 2

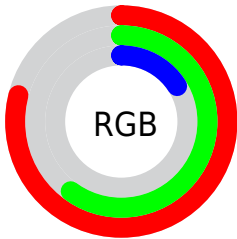
Format	Color
RYB	108, 201, 40
Decimal	13211944
CIELab	66.02, 7.75, 61.52
CIElCh	66, 62.010, 82.818
Yxy	35.3532, 0.4588, 0.4523
Android (android.graphics.Color)	4291402024 (0xFFC99928)
YUV	154.4700, -56.4337, 40.8068
Hunter-Lab	59.4586, 3.6073, 34.6995

Details

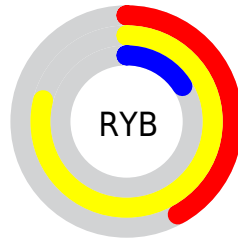
The XYZ color **35.8616, 35.3532, 6.9412** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.9073, 11.6472, 56.7203**, and the grayscale version is **31.1436, 32.7655, 35.6816**.

A 20% lighter version of the original color is **65.6184, 66.7119, 20.2447**, and **15.9067, 15.2535, 2.1059** is the 20% darker color. If you saturate the color by 10%, you get **34.6484, 33.3393, 5.2663**, and if you desaturate by 10%, it is **37.3032, 37.5402, 9.5693**.

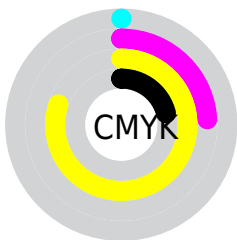
Distribution



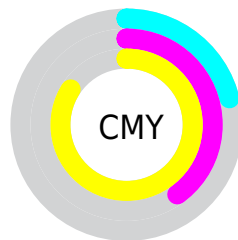
- Red (79%)
- Green (60%)
- Blue (16%)



- Red (42%)
- Yellow (79%)
- Blue (16%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (21%)





- Cyan (21%)
- Magenta (40%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8616, 35.3532, 6.9412 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 35.8616, 35.3532, 6.9412 by changing the saturation by 10% instead.


 35.8616, 35.3532,
6.9412


 35.8616, 35.3532,
6.9412


319.7970,
326.1246, 176.7866


 24.4969, 23.9351,
3.3475


 68.1437, 68.0326,
20.3657

 15.8294, 15.2855,
1.2747


 89.7918, 90.0626,
31.0335


 9.4936, 9.0200,
0.0409


 115.5984,
116.3987, 44.8964

 5.1242, 4.7542,
0.0000

 145.9289,
147.4254, 62.3730

 2.3558, 2.1038,
0.0000

 181.1487,
183.5269, 83.8818

 0.8230, 0.6668,
0.0000

 221.6231,

 0.0000, 0.0000,

225.0876, 109.8412

0.0000

267.7174,
272.4921, 140.6700

■ 35.8616, 35.3532,
6.9412

■ 35.8616, 35.3532,
6.9412

■ 34.6484, 33.3393,
5.2663

■ 37.3032, 37.5402,
9.5693

■ 33.6239, 31.4908,
4.3062

■ 38.9959, 39.9061,
13.2763

■ 40.9615, 42.4622,
18.1709

■ 43.2187, 45.2170,
24.3479

■ 45.7843, 48.1783,
31.8924

■ 48.6736, 51.3533,
40.8820

■ 51.9009, 54.7487,
51.3888

■ 55.4795, 58.3709,
63.4798

■ 59.4219, 62.2257,
77.2180

Harmonies

Analogous

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



45.4603, 35.3532, 10.6032



35.8616, 35.3532, 6.9412



27.2014, 35.3532, 8.1425

Triad

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



35.8616, 35.3532, 6.9412



19.7977, 35.3532, 61.6587



49.7489, 35.3532, 77.9220

Complementary

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



35.8616, 35.3532, 6.9412



14.9073, 11.6472, 56.7203

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.



40.9357, 35.3532, 106.5732



35.8616, 35.3532, 6.9412



24.0093, 35.3532, 94.5714

Square

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



35.8616, 35.3532, 6.9412



18.9356, 35.3532, 32.5033



31.4397, 35.3532, 113.7585



54.3739, 35.3532, 45.1781

Rectangle

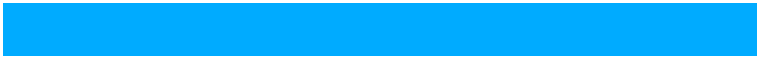
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8616, 35.3532, 6.9412



22.9607, 35.3532, 12.0164



31.4397, 35.3532, 113.7585



47.1087, 35.3532, 88.8640

Sweetspot

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



35.8624, 35.3549, 6.9419



81.1687, 85.5732, 63.1605



26.6201, 14.6449, 10.7221



16.9955, 17.8988, 12.3495



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.8624, 35.3549, 6.9419



58.0287, 54.7480, 7.8019



37.5889, 50.3390, 9.7431



11.2466, 11.8624, 11.2597



21.2247, 19.9666, 2.7353



1.0660, 1.0674, 0.1498

Inverse Universe

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



14.9073, 11.6472, 56.7203



21.2844, 13.4993, 96.0916



13.9891, 7.1204, 55.8949



10.3101, 10.7943, 13.4576



7.7126, 4.8190, 35.2680



0.4295, 0.3568, 1.6914

Previews

White Background



This preview shows how the XYZ color 35.8616, 35.3532, 6.9412 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 35.8616, 35.3532, 6.9412 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 35.8616, 35.3532, 6.9412

Background



This preview shows how black text looks on a background with the XYZ color 35.8616, 35.3532, 6.9412.



This preview shows how white text looks on a background with the XYZ color 35.8616, 35.3532,

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

35.8616, 35.3532, 6.9412

Protanopia

31.9852, 35.3602, 7.3299

Deuteranopia

36.1314, 35.4922, 6.9538



Tritanopia

41.6676, 35.3879, 35.2063

Trichromacy



Original Color

35.8616, 35.3532, 6.9412

Protanomaly

33.3661, 35.3052, 7.1538

Deuteranomaly

36.1314, 35.4922, 6.9538

Tritanomaly

38.5912, 35.0388, 20.3520

Monochromacy



Original Color

35.8616, 35.3532, 6.9412

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3308, 32.9614, 20.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8616, 35.3532, 6.9412 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(201, 153, 40)` looks like.

```
.text, #text, p{  
    color:rgb(201, 153, 40)  
}
```

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(201, 153, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 153, 40) }
```

Border

The CSS property to change the border of an element to XYZ 35.8616, 35.3532, 6.9412 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(201, 153, 40) }
```


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

```
.border{ border-color:rgb(201, 153, 40) }
```

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

Here you see how a box with a 4 pixel rgb(201, 153, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 153, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 153, 40);  
box-shadow:4px 4px 4px 4px rgb(201, 153,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8616, 35.3532, 6.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 153, 40) }
```

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

```
.background{ background-color: rgb(201,  
153, 40) }
```

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