

Converting Colors

XYZ(35.7918, 35.0575, 6.9082)

Have a look what the booklet for
XYZ(35.7918, 35.0575, 6.9082)
contains.

XYZ(35.6986, 35.0272, 6.8869)	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(35.6986, 35.0272,
6.8869)**

Conversions

Conversions Part 1

Format	Color
Hex	C99828
RGB	201, 152, 40
RGB Percent	79%, 60%, 16%
CMY	0.2118, 0.4039, 0.8431
CMYK	0.00, 0.24, 0.80, 0.21
HSL	42°, 67%, 47%
HSV	42°, 80%, 79%
XYZ	35.6986, 35.0272, 6.8869
YIQ	153.8830, 65.1560, -24.4440

Conversions

Conversions Part 2

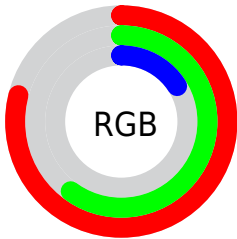
Format	Color
R _Y B	110, 201, 40
Decimal	13211688
CIE Lab	65.77, 8.29, 61.30
CIE LCh	66, 61.855, 82.293
Yxy	35.0272, 0.4600, 0.4513
Android (android.graphics.Color)	4291401768 (0xFFC99828)
YUV	153.8830, -56.1443, 41.3216
Hunter-Lab	59.1838, 4.0964, 34.5294

Details

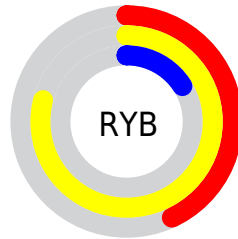
The XYZ color **35.6986, 35.0272, 6.8869** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.9900, 11.8126, 56.7478**, and the grayscale version is **30.8833, 32.4916, 35.3834**.

A 20% lighter version of the original color is **65.3769, 66.2288, 20.1642**, and **15.8090, 15.0581, 2.0733** is the 20% darker color. If you saturate the color by 10%, you get **34.4743, 32.9911, 5.2083**, and if you desaturate by 10%, it is **37.1533, 37.2402, 9.5193**.

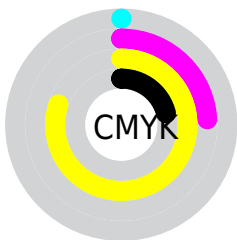
Distribution



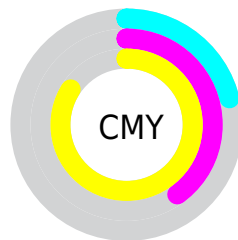
- Red (79%)
- Green (60%)
- Blue (16%)



- Red (43%)
- 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 35.6986, 35.0272, 6.8869 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 35.6986, 35.0272, 6.8869 by changing the saturation by 10% instead.


 35.6986, 35.0272,
6.8869


 35.6986, 35.0272,
6.8869


319.0955,
324.6884, 176.3157


 24.3705, 23.6838,
3.3141


 67.8935, 67.5279,
20.2543


 15.7349, 15.0993,
1.2572


 89.4911, 89.4540,
30.8860

 9.4264, 8.8891,
0.0263


 115.2426,
115.6765, 44.7077

 5.0797, 4.6689,
0.0000

 145.5133,
146.5798, 62.1380

 2.3293, 2.0543,
0.0000

 180.6685,
182.5482, 83.5954

 0.8096, 0.6388,
0.0000

 221.0738,

 0.0000, 0.0000,

223.9662, 109.4985

0.0000

267.0943,
271.2181, 140.2657

■ 35.6986, 35.0272,
6.8869

■ 35.6986, 35.0272,
6.8869

■ 34.4743, 32.9911,
5.2083

■ 37.1533, 37.2402,
9.5193

■ 33.4407, 31.1244,
4.2451

■ 38.8610, 39.6362,
13.2314

■ 40.8437, 42.2265,
18.1317

■ 43.1201, 45.0196,
24.3151

■ 45.7070, 48.0236,
31.8667

■ 48.6197, 51.2455,
40.8642

■ 51.8727, 54.6923,
51.3796

■ 55.4793, 58.3703,
63.4799

■ 59.4519, 62.2857,
77.2282

Harmonies

Analogous

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



45.2047, 35.0272, 10.6141



35.6986, 35.0272, 6.8869



27.0759, 35.0272, 7.9954

Triad

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



35.6986, 35.0272, 6.8869



19.5653, 35.0272, 60.5268



49.1741, 35.0272, 77.8171

Complementary

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



35.6986, 35.0272, 6.8869



14.9900, 11.8126, 56.7478

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.



40.3940, 35.0272, 105.9917



35.6986, 35.0272, 6.8869



23.6814, 35.0272, 93.2342

Square

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



35.6986, 35.0272, 6.8869



18.7683, 35.0272, 31.7952



30.9966, 35.0272, 112.6469



53.8579, 35.0272, 45.2743

Rectangle

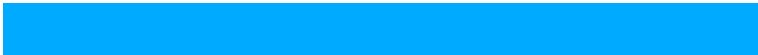
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6986, 35.0272, 6.8869



22.8354, 35.0272, 11.7534



30.9966, 35.0272, 112.6469



46.5351, 35.0272, 88.6260

Sweetspot

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



35.6994, 35.0289, 6.8876



81.0589, 85.3536, 63.1239



26.7338, 14.6904, 11.3209



16.9690, 17.8457, 12.3406



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.



35.6994, 35.0289, 6.8876



57.7189, 54.1284, 7.6986



38.1696, 50.6384, 9.7703



11.2410, 11.8511, 11.2578



21.1103, 19.7378, 2.6971



1.0613, 1.0580, 0.1483

Inverse Universe

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



14.9900, 11.8126, 56.7478



21.4024, 13.7352, 96.1309



13.7928, 7.0192, 55.8857



10.3155, 10.8051, 13.4594



7.7551, 4.9041, 35.2822



0.4320, 0.3618, 1.6922

Previews

White Background



This preview shows how the XYZ color 35.6986, 35.0272, 6.8869 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 35.6986, 35.0272, 6.8869 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 35.6986, 35.0272, 6.8869

Background



This preview shows how black text looks on a background with the XYZ color 35.6986, 35.0272, 6.8869.



This preview shows how white text looks on a background with the XYZ color 35.6986, 35.0272,

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

35.6986, 35.0272, 6.8869

Protanopia

31.8111, 35.0121, 7.2719

Deuteranopia

35.6986, 35.0272, 6.8869



Tritanopia

41.4352, 35.0558, 34.7196

Trichromacy



Original Color

35.6986, 35.0272, 6.8869

Protanomaly

33.1962, 34.9654, 7.0972

Deuteranomaly

35.6986, 35.0272, 6.8869

Tritanomaly

38.3804, 34.7068, 20.0054

Monochromacy



Original Color

35.6986, 35.0272, 6.8869

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1665, 32.6326, 20.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6986, 35.0272, 6.8869 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, 152, 40)` looks like.

```
.text, #text, p{  
    color:rgb(201, 152, 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, 152, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 152, 40) }
```

Border

The CSS property to change the border of an element to XYZ 35.6986, 35.0272, 6.8869 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, 152, 40) }
```


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

```
.border{ border-color:rgb(201, 152, 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, 152, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 152, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 152, 40);  
box-shadow:4px 4px 4px 4px rgb(201, 152,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6986, 35.0272, 6.8869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 152, 40) }
```

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

```
.background{ background-color: rgb(201,  
152, 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