

Converting Colors

Yxy(35.7604, 0.4716, 0.4638)

Have a look what the booklet for
Yxy(35.7604, 0.4716, 0.4638)
contains.

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Color

Yxy(35.6198, 0.4721, 0.4633)

Conversions

Conversions Part 1

Format	Color
Hex	CC9900
RGB	204, 153, 0
RGB Percent	80%, 60%, 0%
CMY	0.2000, 0.4000, 0.9994
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	36.2964, 35.6198, 4.9666
YIQ	150.8070, 79.5090, -36.7710

Conversions

Conversions Part 2

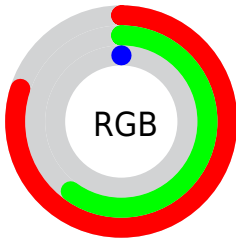
Format	Color
RYB	68, 204, 0
Decimal	13408512
CIELab	66.23, 8.32, 70.31
CIElCh	66, 70.804, 83.251
Yxy	35.6198, 0.4721, 0.4633
Android (android.graphics.Color)	4291598592 (0xFFCC9900)
YUV	150.8070, -74.3479, 46.6503
Hunter-Lab	59.6823, 4.1124, 36.8436

Details

The Yxy color **35.6198, 0.4721, 0.4633** is a dark color, and the websafe version is hex **CC9900**, and the color name is **chinese gold**. The color can be described as dark washed orange. A complement of this color would be **6.7445, 0.1578, 0.0880**, and the grayscale version is **31.1684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3936, 0.4402, 0.4508**, and **15.4320, 0.4808, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **35.6077, 0.4722, 0.4633**, and if you desaturate by 10%, it is **37.3810, 0.4625, 0.4638**.

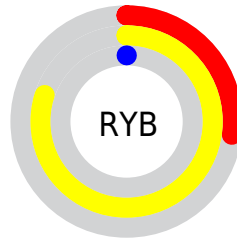
Distribution



Red (80%)

Green (60%)

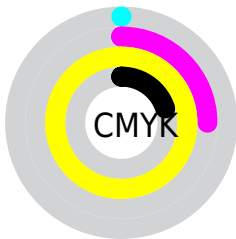
Blue (0%)



Red (27%)

Yellow (80%)

Blue (0%)

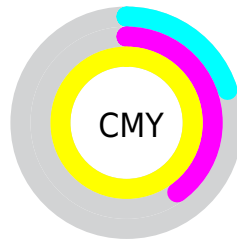


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6198, 0.4721, 0.4633 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 Yxy color 35.6198, 0.4721, 0.4633 by changing the saturation by 10% instead.


 35.6198, 0.4721,
0.4633


 35.6198, 0.4721,
0.4633


327.2957, 0.3984,
0.4054


 24.1407, 0.4856,
0.4720


 68.4448, 0.4485,
0.4461


 15.4380, 0.4998,
0.4798


 90.5596, 0.4385,
0.4383


 9.1274, 0.5145,
0.4855

 116.9883, 0.4297,
0.4313

 4.8244, 0.5208,
0.4792

 148.1154, 0.4219,
0.4250

 2.1446, 0.5309,
0.4691

 184.3253, 0.4150,
0.4193

 0.6895, 0.5546,
0.4454

 226.0024, 0.4088,

 0.0000, 0.0000,

0.4142

0.0000

273.5311, 0.4033,
0.4096

35.6198, 0.4721,
0.4633

35.6198, 0.4721,
0.4633

35.6077, 0.4722,
0.4633

37.3810, 0.4625,
0.4638

39.2679, 0.4503,
0.4601

41.3018, 0.4354,
0.4516

43.4936, 0.4183,
0.4390

45.8524, 0.3999,
0.4231

■ 48.3866, 0.3811,
0.4051

■ 51.1036, 0.3625,
0.3859

■ 54.0104, 0.3447,
0.3664

■ 57.1133, 0.3280,
0.3473

Harmonies

Analogous

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



35.6198, 0.5192, 0.3893



35.6198, 0.4721, 0.4633



35.6198, 0.3878, 0.5221

Triad

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



35.6198, 0.4721, 0.4633



35.6198, 0.1528, 0.2954



35.6198, 0.3047, 0.2054

Complementary

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



35.6198, 0.4721, 0.4633



6.7445, 0.1578, 0.0880

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.



35.6198, 0.2141, 0.1794



35.6198, 0.4721, 0.4633



35.6198, 0.1399, 0.2156

Square

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



35.6198, 0.4721, 0.4633



35.6198, 0.2042, 0.4171



35.6198, 0.1600, 0.1808



35.6198, 0.4165, 0.2546

Rectangle

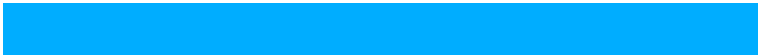
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6198, 0.4721, 0.4633



35.6198, 0.3231, 0.5287



35.6198, 0.1600, 0.1808



35.6198, 0.2708, 0.1939

Sweetspot

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



35.6216, 0.4721, 0.4633



84.4023, 0.3634, 0.3869



13.1140, 0.5890, 0.3019



17.6475, 0.3713, 0.3951



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.6216, 0.4721, 0.4633



58.6026, 0.4730, 0.4626



50.3046, 0.3784, 0.5377



12.6027, 0.3272, 0.3463



22.5632, 0.4713, 0.4640



1.2799, 0.4590, 0.4737

Inverse Universe

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



6.7445, 0.1578, 0.0880



10.8659, 0.1572, 0.0860



4.9856, 0.1624, 0.0669



11.2926, 0.2983, 0.3111



4.3632, 0.1584, 0.0901



0.3494, 0.1692, 0.1291

Previews

White Background



This preview shows how the Yxy color 35.6198, 0.4721, 0.4633 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 Yxy color 35.6198, 0.4721, 0.4633 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](#).

Yxy 35.6198, 0.4721, 0.4633

Background



This preview shows how black text looks on a background with the Yxy color 35.6198, 0.4721, 0.4633.



This preview shows how white text looks on a background with the Yxy color 35.6198, 0.4721, 0.4633.

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

35.6198, 0.4721, 0.4633

Protanopia

35.8099, 0.4384, 0.4865

Deuteranopia

35.6242, 0.4718, 0.4630



Tritanopia

35.4948, 0.3757, 0.3154

Trichromacy



Original Color

35.6198, 0.4721, 0.4633

Protanomaly

35.7588, 0.4504, 0.4783

Deuteranomaly

35.6220, 0.4719, 0.4632

Tritanomaly

34.8307, 0.4306, 0.3901

Monochromacy



Original Color

35.6198, 0.4721, 0.4633

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.8470, 0.3865, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6198, 0.4721, 0.4633 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(204, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 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(204, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.6198, 0.4721, 0.4633 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(204, 153, 0) }
```

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

```
.border{ border-color:rgb(204, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6198, 0.4721, 0.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 0) }
```

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

```
.background{ background-color: rgb(204,  
153, 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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