

Converting Colors

$Yxy(34.0472, 0.4958, 0.4426)$

Have a look what the booklet for
Yxy(34.0472, 0.4958, 0.4426)
contains.

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Color

Yxy(33.9581, 0.4957, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	D88E06
RGB	216, 142, 6
RGB Percent	85%, 56%, 2%
CMY	0.1530, 0.4431, 0.9761
CMYK	0.00, 0.34, 0.97, 0.15
HSL	39°, 95%, 44%
HSV	39°, 97%, 85%
XYZ	38.0236, 33.9581, 4.7251
YIQ	148.6220, 87.7600, -26.6080

Conversions

Conversions Part 2

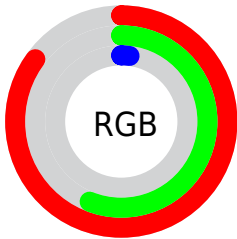
Format	Color
RYB	120, 216, 6
Decimal	14192134
CIELab	64.93, 19.59, 69.25
CIElCh	65, 71.967, 74.208
Yxy	33.9581, 0.4957, 0.4427
Android (android.graphics.Color)	4292382214 (0xFFD88E06)
YUV	148.6220, -70.3126, 59.0905
Hunter-Lab	58.2736, 14.4926, 35.9839

Details

The Yxy color **33.9581, 0.4957, 0.4427** 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 **10.7451, 0.1662, 0.1164**, and the grayscale version is **30.1666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2479, 0.4488, 0.4416**, and **14.6229, 0.5120, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **33.3135, 0.4994, 0.4416**, and if you desaturate by 10%, it is **36.3724, 0.4815, 0.4448**.

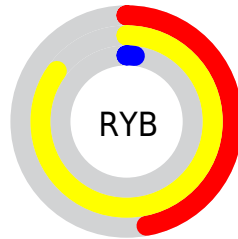
Distribution



Red (85%)

Green (56%)

Blue (2%)



Red (47%)

Yellow (85%)

Blue (2%)

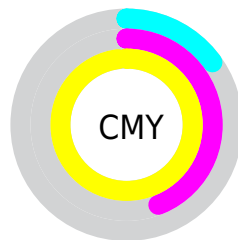


Cyan (0%)

Magenta (34%)

Yellow (97%)

Black (15%)



Cyan (15%)


Magenta (44%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9581, 0.4957, 0.4427 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 33.9581, 0.4957, 0.4427 by changing the saturation by 10% instead.

 33.9581, 0.4957,
0.4427


 33.9581, 0.4957,
0.4427

319.9452, 0.4087,
0.3975


 22.8614, 0.5126,
0.4476


 65.8685, 0.4671,
0.4306


 14.4912, 0.5315,
0.4507


 87.4510, 0.4553,
0.4247


 8.4631, 0.5512,
0.4488


 113.2976, 0.4450,
0.4191

 4.3927, 0.5659,
0.4341

 143.7926, 0.4359,
0.4140

 1.8956, 0.5891,
0.4109

 179.3205, 0.4278,
0.4093

 0.5457, 0.6484,
0.3516

 220.2656, 0.4207,

 0.0000, 0.0000,

0.4050

0.0000

267.0124, 0.4144,
0.4011

33.9581, 0.4957,
0.4427

33.9581, 0.4957,
0.4427

33.3135, 0.4994,
0.4416

36.3724, 0.4815,
0.4448

39.0156, 0.4640,
0.4419

41.9068, 0.4441,
0.4340

45.0600, 0.4227,
0.4222

48.4872, 0.4009,
0.4075

■ 52.1995, 0.3796,
0.3912

■ 56.2069, 0.3595,
0.3741

■ 60.5188, 0.3408,
0.3570

■ 65.1442, 0.3239,
0.3404

Harmonies

Analogous

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



33.9581, 0.5278, 0.3672



33.9581, 0.4957, 0.4427



33.9581, 0.4172, 0.5130

Triad

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



33.9581, 0.4957, 0.4427



33.9581, 0.1599, 0.3286



33.9581, 0.2725, 0.1916

Complementary

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



33.9581, 0.4957, 0.4427



10.7451, 0.1662, 0.1164

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.



33.9581, 0.1908, 0.1731



33.9581, 0.4957, 0.4427



33.9581, 0.1360, 0.2312

Square

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



33.9581, 0.4957, 0.4427



33.9581, 0.2244, 0.4585



33.9581, 0.1467, 0.1836



33.9581, 0.3849, 0.2352

Rectangle

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



33.9581, 0.4957, 0.4427



33.9581, 0.3527, 0.5371



33.9581, 0.1467, 0.1836



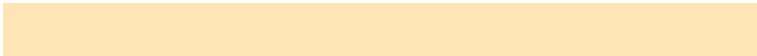
33.9581, 0.2410, 0.1824

Sweetspot

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



33.9598, 0.4957, 0.4427



80.6009, 0.3636, 0.3777



15.3554, 0.5456, 0.2798



16.7110, 0.3722, 0.3851



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.



33.9598, 0.4957, 0.4427



48.2139, 0.5004, 0.4409



59.8130, 0.3960, 0.5225



13.7490, 0.3275, 0.3441



19.9296, 0.4979, 0.4429



1.3550, 0.4809, 0.4564

Inverse Universe

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



10.7451, 0.1662, 0.1164



14.5120, 0.1638, 0.1095



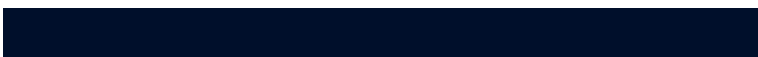
5.4311, 0.1565, 0.0648



12.7177, 0.2982, 0.3135



6.1893, 0.1650, 0.1139



0.5266, 0.1748, 0.1491

Previews

White Background



This preview shows how the Yxy color 33.9581, 0.4957, 0.4427 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 33.9581, 0.4957, 0.4427 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 33.9581, 0.4957, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 33.9581, 0.4957, 0.4427.



This preview shows how white text looks on a background with the Yxy color 33.9581, 0.4957, 0.4427.

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

33.9581, 0.4957, 0.4427

Protanopia

33.9561, 0.4379, 0.4846

Deuteranopia

34.0921, 0.4720, 0.4634



Tritanopia

33.9851, 0.4038, 0.3173

Trichromacy



Original Color

33.9581, 0.4957, 0.4427

Protanomaly

33.6895, 0.4599, 0.4690

Deuteranomaly

33.9936, 0.4811, 0.4556

Tritanomaly

33.6143, 0.4546, 0.3793

Monochromacy



Original Color

33.9581, 0.4957, 0.4427

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.3051, 0.3926, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9581, 0.4957, 0.4427 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(216, 142, 6)` looks like.

```
.text, #text, p{  
    color:rgb(216, 142, 6)  
}
```

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(216, 142, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 142, 6) }
```

Border

The CSS property to change the border of an element to Yxy 33.9581, 0.4957, 0.4427 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(216, 142, 6) }
```

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

```
.border{ border-color:rgb(216, 142, 6) }
```

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

Here you see how a box with a 4 pixel rgb(216, 142, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 142, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 142, 6);  
box-shadow:4px 4px 4px 4px rgb(216, 142,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9581, 0.4957, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 142, 6) }
```

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

```
.background{ background-color: rgb(216,  
142, 6) }
```

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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