

Converting Colors

$Y_{xy}(35.7376, 0.4560, 0.4437)$

Have a look what the booklet for
Yxy(35.7376, 0.4560, 0.4437)
contains.

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Color

Yxy(35.8589, 0.4562, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	CC9933
RGB	204, 153, 51
RGB Percent	80%, 60%, 20%
CMY	0.2001, 0.3999, 0.8000
CMYK	0.00, 0.25, 0.75, 0.20
HSL	40°, 60%, 50%
HSV	40°, 75%, 80%
XYZ	36.8858, 35.8589, 8.1097
YIQ	156.6210, 63.1380, -20.9100

Conversions

Conversions Part 2

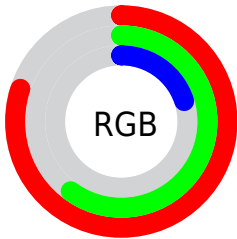
Format	Color
RYB	128, 204, 51
Decimal	13408563
CIELab	66.41, 9.48, 57.94
CIElCh	66, 58.712, 80.706
Yxy	35.8589, 0.4562, 0.4435
Android (android.graphics.Color)	4291598643 (0xFFCC9933)
YUV	156.6210, -52.0712, 41.5514
Hunter-Lab	59.8823, 5.1568, 33.8881

Details

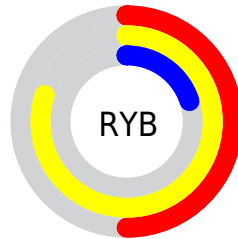
The Yxy color **35.8589, 0.4562, 0.4435** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **14.5583, 0.1878, 0.1607**, and the grayscale version is **33.7555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8851, 0.4249, 0.4302**, and **15.5225, 0.4820, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **33.5567, 0.4734, 0.4481**, and if you desaturate by 10%, it is **38.3702, 0.4367, 0.4343**.

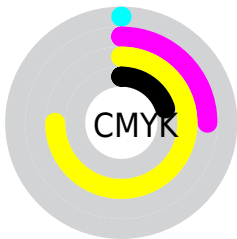
Distribution



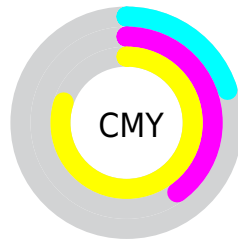
- Red (80%)
- Green (60%)
- Blue (20%)



- Red (50%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (20%)




- Cyan (20%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8589, 0.4562, 0.4435 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 35.8589, 0.4562, 0.4435 by changing the saturation by 10% instead.


 35.8589, 0.4562,
0.4435

 35.8589, 0.4562,
0.4435


328.3434, 0.3864,
0.3913

 24.3252, 0.4710,
0.4530

 68.8142, 0.4323,
0.4268

 15.5751, 0.4879,
0.4626


 91.0047, 0.4228,
0.4197


 9.2240, 0.5091,
0.4735


 117.5162, 0.4146,
0.4135

 4.8876, 0.5252,
0.4748

 148.7332, 0.4074,
0.4080

 2.1814, 0.5365,
0.4635

 185.0400, 0.4012,
0.4031

 0.7098, 0.5612,
0.4388

 226.8210, 0.3956,

 0.0000, 0.0000,

0.3987

0.0000

274.4607, 0.3907,
0.3948

■ 35.8589, 0.4562,
0.4435

■ 35.8589, 0.4562,
0.4435

■ 33.5567, 0.4734,
0.4481

■ 38.3702, 0.4367,
0.4343

■ 31.4451, 0.4875,
0.4476

■ 41.0965, 0.4159,
0.4213

■ 30.4490, 0.4938,
0.4461

■ 44.0495, 0.3948,
0.4059

■ 47.2381, 0.3743,
0.3889

■ 50.6706, 0.3548,
0.3714

■ 54.3548, 0.3368,
0.3539

■ 58.2980, 0.3203,
0.3371

■ 62.5069, 0.3055,
0.3211

■ 66.9882, 0.2922,
0.3062

Harmonies

Analogous

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



35.8589, 0.4883, 0.3811



35.8589, 0.4562, 0.4435



35.8589, 0.3880, 0.4890

Triad

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



35.8589, 0.4562, 0.4435



35.8589, 0.1787, 0.3112



35.8589, 0.2997, 0.2197

Complementary

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



35.8589, 0.4562, 0.4435



14.5583, 0.1878, 0.1607

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.



35.8589, 0.2241, 0.1988



35.8589, 0.4562, 0.4435



35.8589, 0.1630, 0.2389

Square

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



35.8589, 0.4562, 0.4435



35.8589, 0.2281, 0.4095



35.8589, 0.1783, 0.2035



35.8589, 0.3918, 0.2620

Rectangle

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



35.8589, 0.4562, 0.4435



35.8589, 0.3329, 0.4932



35.8589, 0.1783, 0.2035



35.8589, 0.2716, 0.2102

Sweetspot

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



35.8607, 0.4562, 0.4435



85.5492, 0.3498, 0.3666



16.1613, 0.4841, 0.2747



17.9613, 0.3549, 0.3714



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.



35.8607, 0.4562, 0.4435



53.3909, 0.4825, 0.4484



52.9349, 0.3879, 0.5051



12.4425, 0.3274, 0.3444



19.3473, 0.4925, 0.4472



1.1340, 0.4747, 0.4613

Inverse Universe

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



14.5583, 0.1878, 0.1607



16.9268, 0.1697, 0.1237



8.2838, 0.1857, 0.1019



11.4445, 0.2983, 0.3131



5.4970, 0.1637, 0.1092



0.4229, 0.1749, 0.1495

Previews

White Background



This preview shows how the Yxy color 35.8589, 0.4562, 0.4435 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 35.8589, 0.4562, 0.4435 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 35.8589, 0.4562, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 35.8589, 0.4562, 0.4435.



This preview shows how white text looks on a background with the Yxy color 35.8589, 0.4562, 0.4435.

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

35.8589, 0.4562, 0.4435

Protanopia

35.9215, 0.4229, 0.4658

Deuteranopia

36.0467, 0.4542, 0.4451



Tritanopia

35.8269, 0.3743, 0.3154

Trichromacy



Original Color

35.8589, 0.4562, 0.4435

Protanomaly

35.8630, 0.4346, 0.4583

Deuteranomaly

36.0467, 0.4542, 0.4451

Tritanomaly

35.5617, 0.4096, 0.3673

Monochromacy



Original Color

35.8589, 0.4562, 0.4435

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0836, 0.3677, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8589, 0.4562, 0.4435 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 51) }
```

Border

The CSS property to change the border of an element to Yxy 35.8589, 0.4562, 0.4435 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, 51) }
```

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

```
.border{ border-color:rgb(204, 153, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8589, 0.4562, 0.4435 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, 51) }
```

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

```
.background{ background-color: rgb(204,  
153, 51) }
```

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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