

Converting Colors

$Y_{xy}(34.4557, 0.4572, 0.4413)$

Have a look what the booklet for
Yxy(34.4557, 0.4572, 0.4413)
contains.

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Color

Yxy(34.6083, 0.4575, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	CA9633
RGB	202, 150, 51
RGB Percent	79%, 59%, 20%
CMY	0.2078, 0.4118, 0.8001
CMYK	0.00, 0.26, 0.75, 0.21
HSL	39°, 60%, 50%
HSV	39°, 75%, 79%
XYZ	35.8625, 34.6083, 7.9172
YIQ	154.2620, 62.7710, -19.7650

Conversions

Conversions Part 2

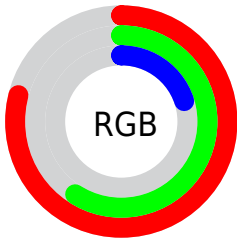
Format	Color
RYB	130, 202, 51
Decimal	13276723
CIELab	65.44, 10.26, 56.94
CIELCh	65, 57.858, 79.789
Yxy	34.6083, 0.4575, 0.4415
Android (android.graphics.Color)	4291466803 (0xFFCA9633)
YUV	154.2620, -50.9082, 41.8662
Hunter-Lab	58.8288, 5.8646, 33.2009

Details

The Yxy color **34.6083, 0.4575, 0.4415** 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 **14.6623, 0.1888, 0.1641**, and the grayscale version is **32.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4452, 0.4268, 0.4276**, and **14.7633, 0.4848, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **32.3145, 0.4753, 0.4460**, and if you desaturate by 10%, it is **37.1146, 0.4375, 0.4324**.

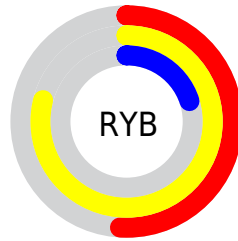
Distribution



Red (79%)

Green (59%)

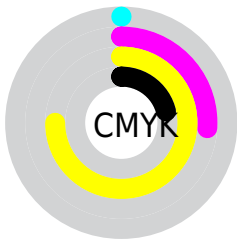
Blue (20%)



Red (51%)

Yellow (79%)

Blue (20%)

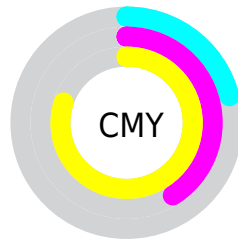


Cyan (0%)

Magenta (26%)

Yellow (75%)

Black (21%)



Cyan (21%)


Magenta (41%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6083, 0.4575, 0.4415 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 34.6083, 0.4575, 0.4415 by changing the saturation by 10% instead.


 34.6083, 0.4575,
0.4415

 34.6083, 0.4575,
0.4415


322.8360, 0.3864,
0.3901


 23.3613, 0.4728,
0.4509


 66.8785, 0.4330,
0.4250

 14.8605, 0.4902,
0.4602


 88.6705, 0.4234,
0.4181


 8.7216, 0.5130,
0.4713


 114.7463, 0.4150,
0.4119

 4.5600, 0.5291,
0.4709

 145.4903, 0.4077,
0.4065

 1.9915, 0.5419,
0.4581

 181.2869, 0.4014,
0.4017

 0.6025, 0.5774,
0.4226

 222.5204, 0.3958,

 0.0000, 0.0000,

0.3974

0.0000

269.5753, 0.3908,
0.3935

■ 34.6083, 0.4575,
0.4415

■ 34.6083, 0.4575,
0.4415

■ 32.3145, 0.4753,
0.4460

■ 37.1146, 0.4375,
0.4324

■ 30.2151, 0.4899,
0.4454

■ 39.8395, 0.4163,
0.4196

■ 29.1841, 0.4968,
0.4437

■ 42.7944, 0.3949,
0.4043

■ 45.9885, 0.3741,
0.3875

■ 49.4298, 0.3545,
0.3703

■ 53.1262, 0.3364,
0.3531

■ 57.0850, 0.3200,
0.3366

■ 61.3129, 0.3052,
0.3209

■ 65.8167, 0.2920,
0.3063

Harmonies

Analogous

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



34.6083, 0.4880, 0.3791



34.6083, 0.4575, 0.4415



34.6083, 0.3903, 0.4878

Triad

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



34.6083, 0.4575, 0.4415



34.6083, 0.1800, 0.3140



34.6083, 0.2971, 0.2190

Complementary

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



34.6083, 0.4575, 0.4415



14.6623, 0.1888, 0.1641

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.



34.6083, 0.2225, 0.1989



34.6083, 0.4575, 0.4415



34.6083, 0.1633, 0.2408

Square

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



34.6083, 0.4575, 0.4415



34.6083, 0.2304, 0.4122



34.6083, 0.1777, 0.2044



34.6083, 0.3888, 0.2606

Rectangle

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



34.6083, 0.4575, 0.4415



34.6083, 0.3355, 0.4931



34.6083, 0.1777, 0.2044



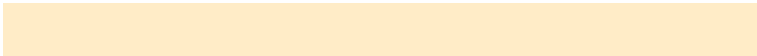
34.6083, 0.2692, 0.2097

Sweetspot

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



34.6100, 0.4575, 0.4415



85.1879, 0.3499, 0.3660



15.9184, 0.4784, 0.2717



17.8756, 0.3550, 0.3708



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.



34.6100, 0.4575, 0.4415



52.3749, 0.4851, 0.4462



52.1104, 0.3900, 0.5032



12.4210, 0.3274, 0.3442



18.9490, 0.4955, 0.4448



1.1155, 0.4770, 0.4595

Inverse Universe

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



14.6623, 0.1888, 0.1641



17.4389, 0.1705, 0.1267



8.0699, 0.1844, 0.1017



11.4651, 0.2983, 0.3134



5.6772, 0.1645, 0.1122



0.4338, 0.1757, 0.1524

Previews

White Background



This preview shows how the Yxy color 34.6083, 0.4575, 0.4415 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 34.6083, 0.4575, 0.4415 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 34.6083, 0.4575, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 34.6083, 0.4575, 0.4415.



This preview shows how white text looks on a background with the Yxy color 34.6083, 0.4575, 0.4415.

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

34.6083, 0.4575, 0.4415

Protanopia

34.8636, 0.4217, 0.4657

Deuteranopia

34.5143, 0.4534, 0.4444



Tritanopia

34.5458, 0.3765, 0.3153

Trichromacy



Original Color

34.6083, 0.4575, 0.4415

Protanomaly

34.5897, 0.4355, 0.4565

Deuteranomaly

34.6516, 0.4544, 0.4438

Tritanomaly

34.3061, 0.4114, 0.3664

Monochromacy



Original Color

34.6083, 0.4575, 0.4415

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7247, 0.3667, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6083, 0.4575, 0.4415 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(202, 150, 51)` looks like.

```
.text, #text, p{  
    color:rgb(202, 150, 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(202, 150, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 150, 51) }
```

Border

The CSS property to change the border of an element to Yxy 34.6083, 0.4575, 0.4415 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(202, 150, 51) }
```

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

```
.border{ border-color:rgb(202, 150, 51) }
```

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

Here you see how a box with a 4 pixel rgb(202, 150, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 150, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 150, 51);  
box-shadow:4px 4px 4px 4px rgb(202, 150,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6083, 0.4575, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 150, 51) }
```

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

```
.background{ background-color: rgb(202,  
150, 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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