

Converting Colors

$Y_{xy}(33.6002, 0.4856, 0.4509)$

Have a look what the booklet for
Yxy(33.6002, 0.4856, 0.4509)
contains.

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Color

Yxy(33.6717, 0.4850, 0.4515)

Conversions

Conversions Part 1

Format	Color
Hex	D09105
RGB	208, 145, 5
RGB Percent	82%, 57%, 2%
CMY	0.1842, 0.4314, 0.9805
CMYK	0.00, 0.30, 0.98, 0.18
HSL	41°, 95%, 42%
HSV	41°, 98%, 82%
XYZ	36.1700, 33.6717, 4.7357
YIQ	147.8770, 82.4880, -30.1840

Conversions

Conversions Part 2

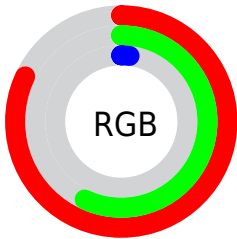
Format	Color
R_{YB}	96, 208, 5
Decimal	13668613
CIE _{Lab}	64.70, 14.48, 68.81
CIE _{LCh}	65, 70.313, 78.114
Yxy	33.6717, 0.4850, 0.4515
Android (android.graphics.Color)	4291858693 (0xFFD09105)
YUV	147.8770, -70.4384, 52.7279
Hunter-Lab	58.0273, 9.7162, 35.7804

Details

The Yxy color **33.6717, 0.4850, 0.4515** 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 **8.7229, 0.1631, 0.1052**, and the grayscale version is **29.8345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6148, 0.4464, 0.4442**, and **14.4803, 0.4983, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **33.1930, 0.4878, 0.4509**, and if you desaturate by 10%, it is **35.7660, 0.4726, 0.4527**.

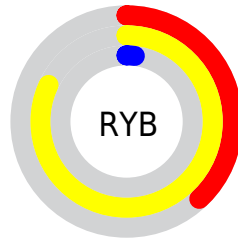
Distribution



Red (82%)

Green (57%)

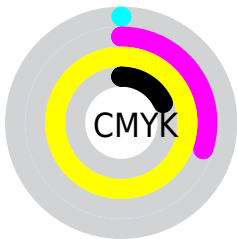
Blue (2%)



Red (38%)

Yellow (82%)

Blue (2%)

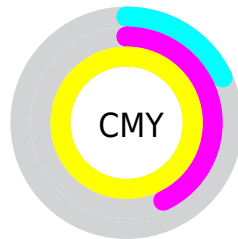


Cyan (0%)

Magenta (30%)

Yellow (98%)

Black (18%)



Cyan (18%)


Magenta (43%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6717, 0.4850, 0.4515 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 33.6717, 0.4850, 0.4515 by changing the saturation by 10% instead.


 33.6717, 0.4850,
0.4515


 33.6717, 0.4850,
0.4515


318.6657, 0.4035,
0.4004

 22.6415, 0.5006,
0.4582


 65.4228, 0.4583,
0.4370


 14.3290, 0.5178,
0.4635


 86.9125, 0.4473,
0.4302


 8.3499, 0.5354,
0.4646


 112.6575, 0.4376,
0.4240

 4.3196, 0.5467,
0.4533

 143.0422, 0.4290,
0.4183

 1.8539, 0.5648,
0.4352

 178.4510, 0.4215,
0.4131


 0.5204, 0.6197,
0.3803


 219.2682, 0.4148,

 0.0000, 0.0000,


0.4085


0.0000


 265.8783, 0.4088,
0.4042


 33.6717, 0.4850,
0.4515


 33.6717, 0.4850,
0.4515


 33.1930, 0.4878,
0.4509

 35.7660, 0.4726,
0.4527

 38.0381, 0.4572,
0.4490

 40.5058, 0.4392,
0.4405

 43.1807, 0.4195,
0.4281

 46.0732, 0.3991,
0.4127

■ 49.1924, 0.3789,
0.3955

■ 52.5470, 0.3594,
0.3775

■ 56.1447, 0.3412,
0.3594

■ 59.9929, 0.3244,
0.3418

Harmonies

Analogous

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



33.6717, 0.5236, 0.3768



33.6717, 0.4850, 0.4515



33.6717, 0.4043, 0.5168

Triad

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



33.6717, 0.4850, 0.4515



33.6717, 0.1572, 0.3137



33.6717, 0.2865, 0.1979

Complementary

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



33.6717, 0.4850, 0.4515



8.7229, 0.1631, 0.1052

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.



33.6717, 0.2012, 0.1763



33.6717, 0.4850, 0.4515



33.6717, 0.1382, 0.2246

Square

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



33.6717, 0.4850, 0.4515



33.6717, 0.2158, 0.4398



33.6717, 0.1529, 0.1828



33.6717, 0.3985, 0.2440

Rectangle

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



33.6717, 0.4850, 0.4515



33.6717, 0.3398, 0.5333



33.6717, 0.1529, 0.1828



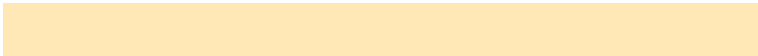
33.6717, 0.2540, 0.1878

Sweetspot

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



33.6734, 0.4850, 0.4515



82.3365, 0.3627, 0.3807



13.9545, 0.5652, 0.2904



17.1284, 0.3711, 0.3885



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.



33.6734, 0.4850, 0.4515



52.2490, 0.4888, 0.4501



53.7692, 0.3874, 0.5294



13.1526, 0.3274, 0.3450



20.8615, 0.4866, 0.4519



1.3042, 0.4713, 0.4640

Inverse Universe

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



8.7229, 0.1631, 0.1052



12.8347, 0.1608, 0.0990



5.1600, 0.1599, 0.0665



12.0078, 0.2982, 0.3125



5.3162, 0.1621, 0.1034



0.4381, 0.1725, 0.1408

Previews

White Background



This preview shows how the Yxy color 33.6717, 0.4850, 0.4515 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 33.6717, 0.4850, 0.4515 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 33.6717, 0.4850, 0.4515

Background



This preview shows how black text looks on a background with the Yxy color 33.6717, 0.4850, 0.4515.



This preview shows how white text looks on a background with the Yxy color 33.6717, 0.4850, 0.4515.

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

33.6717, 0.4850, 0.4515

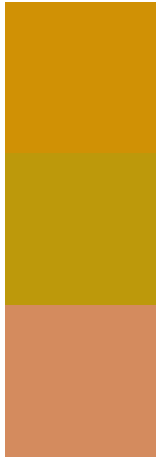
Protanopia

33.9504, 0.4383, 0.4852

Tritanopia

33.6684, 0.3906, 0.3168

Trichromacy



Original Color

33.6717, 0.4850, 0.4515

Protanomaly

33.6254, 0.4558, 0.4725

Tritanomaly

33.2704, 0.4432, 0.3839

Monochromacy



Original Color

33.6717, 0.4850, 0.4515

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.2580, 0.3896, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6717, 0.4850, 0.4515 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(208, 145, 5)` looks like.

```
.text, #text, p{  
    color:rgb(208, 145, 5)  
}
```

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(208, 145, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 145, 5) }
```

Border

The CSS property to change the border of an element to Yxy 33.6717, 0.4850, 0.4515 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(208, 145, 5) }
```

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

```
.border{ border-color:rgb(208, 145, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 145, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 145, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 145, 5);  
box-shadow:4px 4px 4px 4px rgb(208, 145,  
5) }
```

Background

The CSS property to change the background color of an element to Yxy 33.6717, 0.4850, 0.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 145, 5) }
```

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

```
.background{ background-color: rgb(208,  
145, 5) }
```

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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