

Converting Colors

$Y_{xy}(33.6787, 0.4951, 0.4451)$

Have a look what the booklet for
Yxy(33.6787, 0.4951, 0.4451)
contains.

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Color

Yxy(33.6421, 0.4950, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	D68E00
RGB	214, 142, 0
RGB Percent	84%, 56%, 0%
CMY	0.1608, 0.4431, 1.0000
CMYK	0.00, 0.34, 1.00, 0.16
HSL	40°, 100%, 42%
HSV	40°, 100%, 84%
XYZ	37.4053, 33.6421, 4.5189
YIQ	147.3400, 88.4940, -28.8980

Conversions

Conversions Part 2

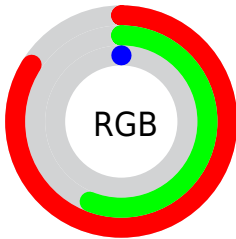
Format	Color
RYB	109, 214, 0
Decimal	14061056
CIELab	64.68, 18.66, 69.85
CIElCh	65, 72.305, 75.042
Yxy	33.6421, 0.4950, 0.4452
Android (android.graphics.Color)	4292251136 (0xFFD68E00)
YUV	147.3400, -72.6386, 58.4608
Hunter-Lab	58.0018, 13.6113, 35.9820

Details

The Yxy color **33.6421, 0.4950, 0.4452** 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 **9.4902, 0.1631, 0.1071**, and the grayscale version is **29.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2209, 0.4498, 0.4428**, and **14.4266, 0.5097, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **33.6441, 0.4950, 0.4452**, and if you desaturate by 10%, it is **35.9120, 0.4820, 0.4479**.

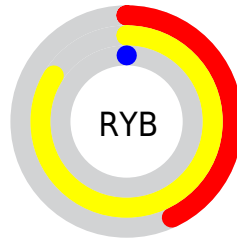
Distribution



Red (84%)

Green (56%)

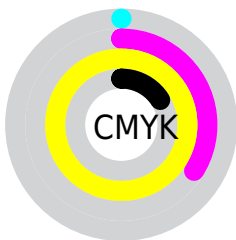
Blue (0%)



Red (43%)

Yellow (84%)

Blue (0%)

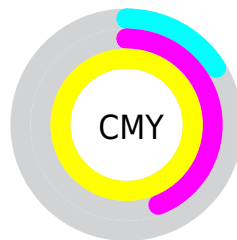


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6421, 0.4950, 0.4452 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 33.6421, 0.4950, 0.4452 by changing the saturation by 10% instead.


 33.6421, 0.4950,
0.4452


 33.6421, 0.4950,
0.4452


318.5332, 0.4086,
0.3988


 22.6188, 0.5116,
0.4503


 65.3767, 0.4667,
0.4328


 14.3123, 0.5303,
0.4537


 86.8568, 0.4550,
0.4267


 8.3382, 0.5486,
0.4514


 112.5913, 0.4447,
0.4209

 4.3121, 0.5628,
0.4372

 142.9645, 0.4357,
0.4157

 1.8496, 0.5855,
0.4145

 178.3610, 0.4277,
0.4109


 0.5178, 0.6478,
0.3522

 219.1650, 0.4206,

 0.0000, 0.0000,

0.4065


0.0000

 265.7609, 0.4143,
0.4024


 33.6421, 0.4950,
0.4452


 33.6421, 0.4950,
0.4452


 33.6441, 0.4950,
0.4452

 35.9120, 0.4820,
0.4479

 38.3826, 0.4662,
0.4460

 41.0788, 0.4476,
0.4391

 44.0143, 0.4271,
0.4280

 47.2010, 0.4059,
0.4137

■ 50.6496, 0.3848,
0.3974

■ 54.3698, 0.3646,
0.3801

■ 58.3707, 0.3458,
0.3626

■ 62.6607, 0.3284,
0.3454

Harmonies

Analogous

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



33.6421, 0.5293, 0.3691



33.6421, 0.4950, 0.4452



33.6421, 0.4150, 0.5157

Triad

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



33.6421, 0.4950, 0.4452



33.6421, 0.1577, 0.3250



33.6421, 0.2750, 0.1916

Complementary

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



33.6421, 0.4950, 0.4452



9.4902, 0.1631, 0.1071

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.



33.6421, 0.1918, 0.1723



33.6421, 0.4950, 0.4452



33.6421, 0.1348, 0.2285

Square

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



33.6421, 0.4950, 0.4452



33.6421, 0.2213, 0.4563



33.6421, 0.1466, 0.1819



33.6421, 0.3887, 0.2362

Rectangle

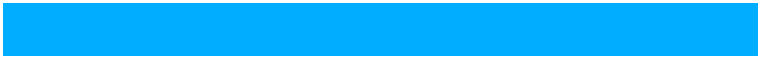
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6421, 0.4950, 0.4452



33.6421, 0.3498, 0.5390



33.6421, 0.1466, 0.1819



33.6421, 0.2429, 0.1822

Sweetspot

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



33.6441, 0.4950, 0.4452



80.6781, 0.3652, 0.3806



14.8036, 0.5602, 0.2859



16.7546, 0.3737, 0.3880



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.



33.6441, 0.4950, 0.4452



49.7127, 0.4959, 0.4445



58.0291, 0.3928, 0.5263



13.7833, 0.3275, 0.3444



20.5337, 0.4936, 0.4463



1.3884, 0.4776, 0.4590

Inverse Universe

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



9.4902, 0.1631, 0.1071



13.8427, 0.1626, 0.1054



5.1640, 0.1556, 0.0631



12.6847, 0.2982, 0.3131



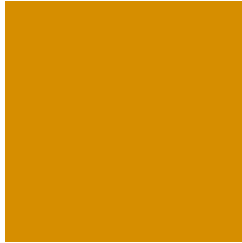
5.9087, 0.1638, 0.1097



0.5070, 0.1736, 0.1449

Previews

White Background



This preview shows how the Yxy color 33.6421, 0.4950, 0.4452 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 33.6421, 0.4950, 0.4452 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 33.6421, 0.4950, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 33.6421, 0.4950, 0.4452.



This preview shows how white text looks on a background with the Yxy color 33.6421, 0.4950, 0.4452.

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

33.6421, 0.4950, 0.4452

Protanopia

33.8325, 0.4372, 0.4860

Deuteranopia

33.6370, 0.4723, 0.4632



Tritanopia

33.6712, 0.4017, 0.3172

Trichromacy



Original Color

33.6421, 0.4950, 0.4452

Protanomaly

33.4233, 0.4584, 0.4712

Deuteranomaly

33.3951, 0.4808, 0.4564

Tritanomaly

33.2519, 0.4557, 0.3830

Monochromacy



Original Color

33.6421, 0.4950, 0.4452

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7169, 0.3940, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6421, 0.4950, 0.4452 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(214, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 142, 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(214, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.6421, 0.4950, 0.4452 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(214, 142, 0) }
```

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

```
.border{ border-color:rgb(214, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6421, 0.4950, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 142, 0) }
```

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

```
.background{ background-color: rgb(214,  
142, 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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