

Converting Colors

$Yxy(34.6416, 0.4462, 0.4475)$

Have a look what the booklet for
Yxy(34.6416, 0.4462, 0.4475)
contains.

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Color

Yxy(34.6416, 0.4462, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	C39935
RGB	195, 153, 53
RGB Percent	76%, 60%, 21%
CMY	0.2353, 0.4000, 0.7923
CMYK	0.00, 0.22, 0.73, 0.24
HSL	42°, 57%, 49%
HSV	42°, 73%, 76%
XYZ	34.5410, 34.6416, 8.2288
YIQ	154.1580, 57.1320, -22.1960

Conversions

Conversions Part 2

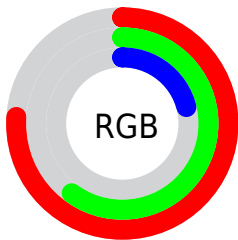
Format	Color
RYB	113, 195, 53
Decimal	12818741
CIELab	65.47, 5.65, 55.90
CIELCh	65, 56.190, 84.228
Yxy	34.6416, 0.4462, 0.4475
Android (android.graphics.Color)	4291008821 (0xFFC39935)
YUV	154.1580, -49.8709, 35.8184
Hunter-Lab	58.8571, 1.7548, 32.9106

Details

The Yxy color **34.6416, 0.4462, 0.4475** 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 **12.8752, 0.1888, 0.1578**, and the grayscale version is **32.5919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9263, 0.4237, 0.4286**, and **14.8211, 0.4715, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **32.6565, 0.4623, 0.4539**, and if you desaturate by 10%, it is **36.7944, 0.4279, 0.4367**.

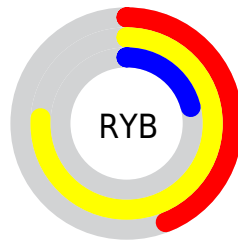
Distribution



Red (76%)

Green (60%)

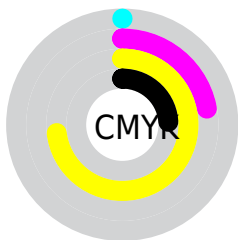
Blue (21%)



Red (44%)

Yellow (76%)

Blue (21%)

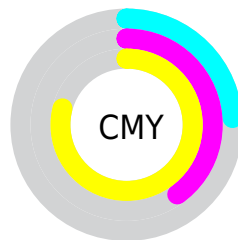


Cyan (0%)

Magenta (22%)

Yellow (73%)

Black (24%)



Cyan (24%)


Magenta (40%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6416, 0.4462, 0.4475 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 34.6416, 0.4462, 0.4475 by changing the saturation by 10% instead.


 34.6416, 0.4462,
0.4475


 34.6416, 0.4462,
0.4475


322.9835, 0.3809,
0.3917


 23.3869, 0.4602,
0.4584

 66.9302, 0.4238,
0.4290

 14.8795, 0.4760,
0.4700


 88.7329, 0.4149,
0.4215

 8.7348, 0.4959,
0.4838


 114.8204, 0.4072,
0.4149

 4.5686, 0.5106,
0.4894

 145.5770, 0.4005,
0.4090

 1.9965, 0.5179,
0.4821

 181.3873, 0.3947,
0.4039

 0.6054, 0.5409,
0.4591

 222.6355, 0.3895,

 0.0000, 0.0000,

0.3994

0.0000

269.7062, 0.3850,
0.3953

■ 34.6416, 0.4462,
0.4475

■ 34.6416, 0.4462,
0.4475

■ 32.6565, 0.4623,
0.4539

■ 36.7944, 0.4279,
0.4367

■ 30.8231, 0.4756,
0.4555

■ 39.1188, 0.4083,
0.4224

■ 29.5917, 0.4836,
0.4542

■ 41.6247, 0.3884,
0.4058

■ 44.3195, 0.3688,
0.3879

■ 47.2099, 0.3502,
0.3695

■ 50.3023, 0.3329,
0.3513

■ 53.6025, 0.3170,
0.3338

■ 57.1162, 0.3025,
0.3172

■ 60.8488, 0.2896,
0.3018

Harmonies

Analogous

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



34.6416, 0.4820, 0.3878



34.6416, 0.4462, 0.4475



34.6416, 0.3774, 0.4868

Triad

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



34.6416, 0.4462, 0.4475



34.6416, 0.1789, 0.3021



34.6416, 0.3104, 0.2264

Complementary

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



34.6416, 0.4462, 0.4475



12.8752, 0.1888, 0.1578

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.



34.6416, 0.2339, 0.2033



34.6416, 0.4462, 0.4475



34.6416, 0.1670, 0.2359

Square

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



34.6416, 0.4462, 0.4475



34.6416, 0.2235, 0.3956



34.6416, 0.1855, 0.2049



34.6416, 0.3995, 0.2698

Rectangle

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



34.6416, 0.4462, 0.4475



34.6416, 0.3232, 0.4850



34.6416, 0.1855, 0.2049



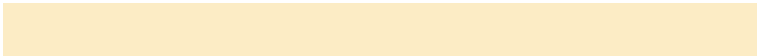
34.6416, 0.2823, 0.2162

Sweetspot

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



34.6433, 0.4462, 0.4475



84.8122, 0.3493, 0.3686



14.9828, 0.4850, 0.2809



18.2505, 0.3543, 0.3737



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.



34.6433, 0.4462, 0.4475



56.6406, 0.4700, 0.4554



47.4640, 0.3827, 0.5044



11.2390, 0.3272, 0.3452



19.3824, 0.4825, 0.4551



0.9525, 0.4653, 0.4688

Inverse Universe

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



12.8752, 0.1888, 0.1578



16.0697, 0.1699, 0.1208



8.2488, 0.1933, 0.1096



10.2227, 0.2984, 0.3123



4.6349, 0.1613, 0.1005



0.3235, 0.1742, 0.1471

Previews

White Background



This preview shows how the Yxy color 34.6416, 0.4462, 0.4475 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 34.6416, 0.4462, 0.4475 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 34.6416, 0.4462, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 34.6416, 0.4462, 0.4475.



This preview shows how white text looks on a background with the Yxy color 34.6416, 0.4462, 0.4475.

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

34.6416, 0.4462, 0.4475

Protanopia

34.8824, 0.4206, 0.4640

Deuteranopia

34.5417, 0.4517, 0.4421



Tritanopia

34.5346, 0.3648, 0.3149

Trichromacy



Original Color

34.6416, 0.4462, 0.4475

Protanomaly

34.5706, 0.4303, 0.4578

Deuteranomaly

34.7286, 0.4496, 0.4438

Tritanomaly

34.2939, 0.4001, 0.3688

Monochromacy



Original Color

34.6416, 0.4462, 0.4475

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.8306, 0.3641, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6416, 0.4462, 0.4475 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(195, 153, 53)` looks like.

```
.text, #text, p{  
    color:rgb(195, 153, 53)  
}
```

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(195, 153, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 153, 53) }
```

Border

The CSS property to change the border of an element to Yxy 34.6416, 0.4462, 0.4475 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(195, 153, 53) }
```

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

```
.border{ border-color:rgb(195, 153, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 153, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 153, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 153, 53);  
box-shadow:4px 4px 4px 4px rgb(195, 153,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6416, 0.4462, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 153, 53) }
```

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

```
.background{ background-color: rgb(195,  
153, 53) }
```

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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