

Converting Colors

$Y_{xy}(34.5067, 0.4648, 0.4445)$

Have a look what the booklet for
Yxy(34.5067, 0.4648, 0.4445)
contains.

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Color

Yxy(34.5067, 0.4648, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	CC952B
RGB	204, 149, 43
RGB Percent	80%, 58%, 17%
CMY	0.2000, 0.4156, 0.8315
CMYK	0.00, 0.27, 0.79, 0.20
HSL	40°, 65%, 48%
HSV	40°, 79%, 80%
XYZ	36.0826, 34.5067, 7.0411
YIQ	153.3610, 66.8060, -21.3060

Conversions

Conversions Part 2

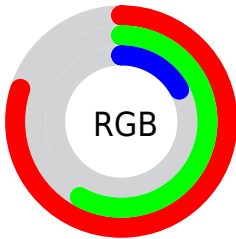
Format	Color
R _{YB}	127, 204, 43
Decimal	13407531
CIE Lab	65.36, 11.34, 60.00
CIE LCh	65, 61.066, 79.300
Yxy	34.5067, 0.4648, 0.4445
Android (android.graphics.Color)	4291597611 (0xFFCC952B)
YUV	153.3610, -54.4080, 44.4104
Hunter-Lab	58.7424, 6.8446, 34.0130

Details

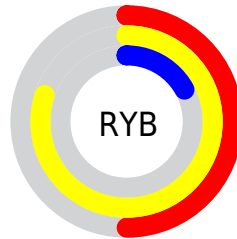
The Yxy color **34.5067, 0.4648, 0.4445** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **13.5977, 0.1832, 0.1532**, and the grayscale version is **32.2405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8349, 0.4317, 0.4322**, and **14.9434, 0.4873, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **32.2557, 0.4812, 0.4469**, and if you desaturate by 10%, it is **36.9677, 0.4457, 0.4372**.

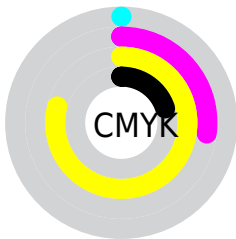
Distribution



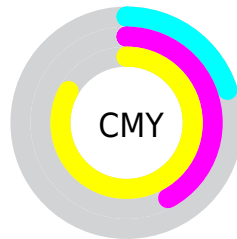
- Red (80%)
- Green (58%)
- Blue (17%)



- Red (50%)
- Yellow (80%)
- Blue (17%)



- Cyan (0%)
- Magenta (27%)
- Yellow (79%)
- Black (20%)



- Cyan (20%)
- Magenta (42%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5067, 0.4648, 0.4445 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 34.5067, 0.4648, 0.4445 by changing the saturation by 10% instead.

 34.5067, 0.4648,
0.4445


 34.5067, 0.4648,
0.4445


322.3855, 0.3908,
0.3928


 23.2831, 0.4803,
0.4533


 66.7209, 0.4396,
0.4283

 14.8027, 0.4976,
0.4616


 88.4802, 0.4296,
0.4214


 8.6810, 0.5228,
0.4735


 114.5203, 0.4208,
0.4152

 4.5337, 0.5335,
0.4665

 145.2256, 0.4132,
0.4096

 1.9764, 0.5476,
0.4524

 180.9803, 0.4065,
0.4047

 0.5937, 0.5862,
0.4138

 222.1689, 0.4007,

 0.0000, 0.0000,

0.4003

0.0000

269.1759, 0.3954,
0.3963

■ 34.5067, 0.4648,
0.4445

■ 34.5067, 0.4648,
0.4445

■ 32.2557, 0.4812,
0.4469

■ 36.9677, 0.4457,
0.4372

■ 30.1912, 0.4947,
0.4447

■ 39.6457, 0.4250,
0.4257

■ 29.9799, 0.4961,
0.4443

■ 42.5528, 0.4036,
0.4113

■ 45.6986, 0.3826,
0.3949

■ 49.0918, 0.3625,
0.3777

■ 52.7403, 0.3438,
0.3604

■ 56.6518, 0.3266,
0.3435

■ 60.8336, 0.3111,
0.3273

■ 65.2923, 0.2973,
0.3122

Harmonies

Analogous

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



34.5067, 0.4971, 0.3788



34.5067, 0.4648, 0.4445



34.5067, 0.3942, 0.4955

Triad

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



34.5067, 0.4648, 0.4445



34.5067, 0.1742, 0.3140



34.5067, 0.2944, 0.2135

Complementary

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



34.5067, 0.4648, 0.4445



13.5977, 0.1832, 0.1532

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.



34.5067, 0.2169, 0.1930



34.5067, 0.4648, 0.4445



34.5067, 0.1567, 0.2368

Square

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



34.5067, 0.4648, 0.4445



34.5067, 0.2268, 0.4190



34.5067, 0.1712, 0.1988



34.5067, 0.3913, 0.2563

Rectangle

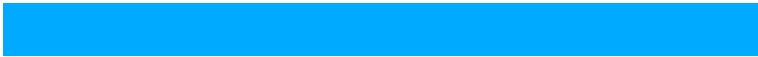
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.5067, 0.4648, 0.4445



34.5067, 0.3369, 0.5033



34.5067, 0.1712, 0.1988



34.5067, 0.2654, 0.2040

Sweetspot

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



34.5084, 0.4648, 0.4445



84.0510, 0.3536, 0.3697



15.4685, 0.4927, 0.2719



17.5308, 0.3605, 0.3760



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.



34.5084, 0.4648, 0.4445



50.9030, 0.4911, 0.4455



53.0379, 0.3916, 0.5089



12.4265, 0.3274, 0.3442



19.0508, 0.4947, 0.4454



1.1203, 0.4764, 0.4599

Inverse Universe

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



13.5977, 0.1832, 0.1532



15.5717, 0.1663, 0.1159



7.2824, 0.1779, 0.0920



11.4598, 0.2983, 0.3133



5.6302, 0.1643, 0.1114



0.4309, 0.1755, 0.1517

Previews

White Background



This preview shows how the Yxy color 34.5067, 0.4648, 0.4445 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 34.5067, 0.4648, 0.4445 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 34.5067, 0.4648, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 34.5067, 0.4648, 0.4445.



This preview shows how white text looks on a background with the Yxy color 34.5067, 0.4648, 0.4445.

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

34.5067, 0.4648, 0.4445

Protanopia

34.4585, 0.4264, 0.4701

Deuteranopia

34.5797, 0.4592, 0.4497



Tritanopia

34.5161, 0.3801, 0.3154

Trichromacy



Original Color

34.5067, 0.4648, 0.4445

Protanomaly

34.1969, 0.4403, 0.4606

Deuteranomaly

34.3974, 0.4613, 0.4480

Tritanomaly

34.2025, 0.4184, 0.3697

Monochromacy



Original Color

34.5067, 0.4648, 0.4445

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4194, 0.3722, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5067, 0.4648, 0.4445 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, 149, 43)` looks like.

```
.text, #text, p{  
    color:rgb(204, 149, 43)  
}
```

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, 149, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 149, 43) }
```

Border

The CSS property to change the border of an element to Yxy 34.5067, 0.4648, 0.4445 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, 149, 43) }
```

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

```
.border{ border-color:rgb(204, 149, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 149, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 149, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 149, 43);  
box-shadow:4px 4px 4px 4px rgb(204, 149,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5067, 0.4648, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 149, 43) }
```

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

```
.background{ background-color: rgb(204,  
149, 43) }
```

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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