

Converting Colors

$Y_{xy}(29.5799, 0.4584, 0.4154)$

Have a look what the booklet for
Yxy(29.5799, 0.4584, 0.4154)
contains.

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Color

Yxy(29.5799, 0.4584, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	C58741
RGB	197, 135, 65
RGB Percent	77%, 53%, 25%
CMY	0.2275, 0.4705, 0.7452
CMYK	0.00, 0.31, 0.67, 0.23
HSL	32°, 53%, 51%
HSV	32°, 67%, 77%
XYZ	32.6419, 29.5799, 8.9865
YIQ	145.5580, 59.4220, -8.6260

Conversions

Conversions Part 2

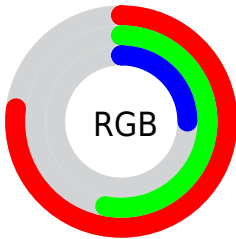
Format	Color
R_{YB}	182, 197, 65
Decimal	12945217
CIE Lab	61.29, 17.00, 46.18
CIE LCh	61, 49.210, 69.792
Yxy	29.5799, 0.4584, 0.4154
Android (android.graphics.Color)	4291135297 (0xFFC58741)
YUV	145.5580, -39.7151, 45.1146
Hunter-Lab	54.3874, 11.9529, 28.2746

Details

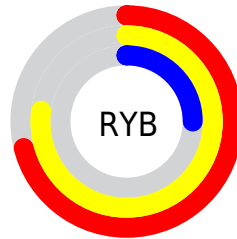
The Yxy color **29.5799, 0.4584, 0.4154** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **20.3219, 0.2070, 0.2120**, and the grayscale version is **28.7015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4874, 0.4290, 0.4023**, and **12.0150, 0.4998, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **26.9216, 0.4838, 0.4211**, and if you desaturate by 10%, it is **32.5450, 0.4323, 0.4058**.

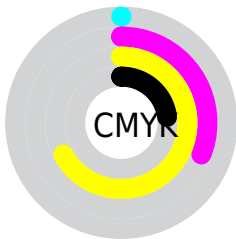
Distribution



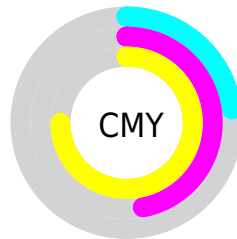
- Red (77%)
- Green (53%)
- Blue (25%)



- Red (71%)
- Yellow (77%)
- Blue (25%)



- Cyan (0%)
- Magenta (31%)
- Yellow (67%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5799, 0.4584, 0.4154 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 29.5799, 0.4584, 0.4154 by changing the saturation by 10% instead.


 29.5799, 0.4584,
0.4154


 29.5799, 0.4584,
0.4154


299.9413, 0.3826,
0.3753

 19.5199, 0.4768,
0.4228


 58.9972, 0.4309,
0.4024


 12.0466, 0.4992,
0.4301


 79.1233, 0.4204,
0.3970


 6.7754, 0.5281,
0.4369


 103.3736, 0.4116,
0.3922

 3.3220, 0.5624,
0.4376

 132.1324, 0.4041,
0.3880

 1.3021, 0.5876,
0.4124

 165.7842, 0.3976,
0.3842

 0.1428, 0.7941,
0.2059

204.7134, 0.3919,

 0.0000, 0.0000,

0.3809

0.0000

249.3043, 0.3870,
0.3780

■ 29.5799, 0.4584,
0.4154

■ 29.5799, 0.4584,
0.4154

■ 26.9216, 0.4838,
0.4211

■ 32.5450, 0.4323,
0.4058

■ 24.5512, 0.5071,
0.4219

■ 35.8254, 0.4068,
0.3937

■ 22.4525, 0.5268,
0.4173

■ 39.4344, 0.3828,
0.3800

■ 21.8713, 0.5324,
0.4155

■ 43.3830, 0.3609,
0.3658

■ 47.6818, 0.3412,
0.3517

■ 52.3405, 0.3237,
0.3381

■ 57.3686, 0.3083,
0.3253

■ 62.7750, 0.2949,
0.3133

■ 68.5685, 0.2831,
0.3022

Harmonies

Analogous

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



29.5799, 0.4691, 0.3575



29.5799, 0.4584, 0.4154



29.5799, 0.4075, 0.4628

Triad

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



29.5799, 0.4584, 0.4154



29.5799, 0.2044, 0.3448



29.5799, 0.2739, 0.2198

Complementary

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



29.5799, 0.4584, 0.4154



20.3219, 0.2070, 0.2120

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.



29.5799, 0.2139, 0.2089



29.5799, 0.4584, 0.4154



29.5799, 0.1780, 0.2688

Square

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



29.5799, 0.4584, 0.4154



29.5799, 0.2607, 0.4291



29.5799, 0.1817, 0.2237



29.5799, 0.3540, 0.2523

Rectangle

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



29.5799, 0.4584, 0.4154



29.5799, 0.3605, 0.4767



29.5799, 0.1817, 0.2237



29.5799, 0.2510, 0.2136

Sweetspot

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



29.5814, 0.4584, 0.4154



82.8024, 0.3474, 0.3563



17.2264, 0.4208, 0.2512



17.2517, 0.3530, 0.3603



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.



29.5814, 0.4584, 0.4154



46.3715, 0.4940, 0.4221



51.8841, 0.4016, 0.4805



11.5528, 0.3276, 0.3413



14.5558, 0.5305, 0.4170



0.8334, 0.5013, 0.4402

Inverse Universe

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



20.3219, 0.2070, 0.2120



28.7225, 0.1898, 0.1828



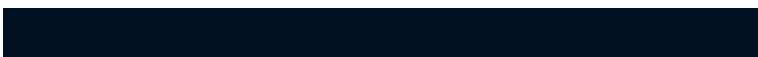
9.0085, 0.1854, 0.1168



11.0948, 0.2983, 0.3164



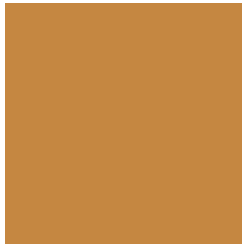
7.9067, 0.1748, 0.1493



0.5191, 0.1858, 0.1889

Previews

White Background



This preview shows how the Yxy color 29.5799, 0.4584, 0.4154 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5799, 0.4584, 0.4154 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5799, 0.4584, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 29.5799, 0.4584, 0.4154.



This preview shows how white text looks on a background with the Yxy color 29.5799, 0.4584, 0.4154.

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

29.5799, 0.4584, 0.4154

Protanopia

29.8171, 0.4055, 0.4457

Deuteranopia

29.5990, 0.4400, 0.4314



Tritanopia

29.5414, 0.3902, 0.3161

Trichromacy



Original Color

29.5799, 0.4584, 0.4154

Protanomaly

29.5940, 0.4242, 0.4341

Deuteranomaly

29.6542, 0.4466, 0.4253

Tritanomaly

29.3923, 0.4180, 0.3543

Monochromacy



Original Color

29.5799, 0.4584, 0.4154

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6297, 0.3646, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5799, 0.4584, 0.4154 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(197, 135, 65)` looks like.

```
.text, #text, p{  
    color:rgb(197, 135, 65)  
}
```

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(197, 135, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 135, 65) }
```

Border

The CSS property to change the border of an element to Yxy 29.5799, 0.4584, 0.4154 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(197, 135, 65) }
```

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

```
.border{ border-color:rgb(197, 135, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 135, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 135, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 135, 65);  
box-shadow:4px 4px 4px 4px rgb(197, 135,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5799, 0.4584, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 135, 65) }
```

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

```
.background{ background-color: rgb(197,  
135, 65) }
```

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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