

Converting Colors

$Y_{xy}(16.8286, 0.5402, 0.3608)$

Have a look what the booklet for
Yxy(16.8286, 0.5402, 0.3608)
contains.

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Color

Yxy(16.8504, 0.5396, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	C14D2F
RGB	193, 77, 47
RGB Percent	76%, 30%, 18%
CMY	0.2431, 0.6980, 0.8157
CMYK	0.00, 0.60, 0.76, 0.24
HSL	12°, 61%, 47%
HSV	12°, 76%, 76%
XYZ	25.1590, 16.8504, 4.6159
YIQ	108.2640, 78.7660, 15.2620

Conversions

Conversions Part 2

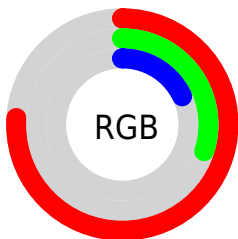
Format	Color
RYB	193, 85, 47
Decimal	12668207
CIELab	48.07, 44.87, 40.73
CIElCh	48, 60.599, 42.232
Yxy	16.8504, 0.5396, 0.3614
Android (android.graphics.Color)	4290858287 (0xFFC14D2F)
YUV	108.2640, -30.2032, 74.3135
Hunter-Lab	41.0492, 37.5663, 22.0674

Details

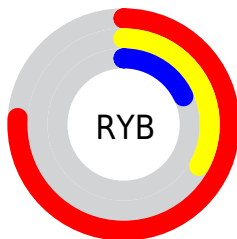
The Yxy color **16.8504, 0.5396, 0.3614** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **30.6463, 0.2179, 0.2795**, and the grayscale version is **15.1452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0515, 0.4894, 0.3631**, and **5.4419, 0.6208, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **14.8296, 0.5772, 0.3581**, and if you desaturate by 10%, it is **19.4477, 0.4986, 0.3613**.

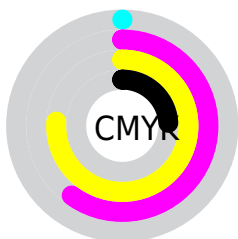
Distribution



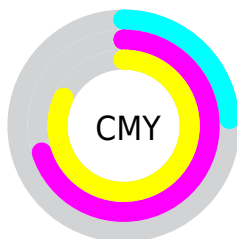
- Red (76%)
- Green (30%)
- Blue (18%)



- Red (76%)
- Yellow (33%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (76%)
- Black (24%)




- Cyan (24%)
- Magenta (70%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8504, 0.5396, 0.3614 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 16.8504, 0.5396, 0.3614 by changing the saturation by 10% instead.


 16.8504, 0.5396,
0.3614


 16.8504, 0.5396,
0.3614


234.3088, 0.4105,
0.3550


 10.1279, 0.5744,
0.3563


 38.0684, 0.4899,
0.3631


 5.4838, 0.6206,
0.3456

 53.3326, 0.4719,
0.3624

 2.5338, 0.6790,
0.3210

 72.2129, 0.4571,
0.3613

 0.8935, 0.7364,
0.2636

 95.0937, 0.4446,
0.3600

 0.0000, 1.0000,
0.0000

 122.3592, 0.4341,
0.3587

 0.0000, 0.0000,
0.0000

 154.3940, 0.4251,

0.3574

191.5824, 0.4173,
0.3561

■ 16.8504, 0.5396,
0.3614

■ 16.8504, 0.5396,
0.3614

■ 14.8296, 0.5772,
0.3581

■ 19.4477, 0.4986,
0.3613

■ 13.3364, 0.6065,
0.3513

■ 22.6593, 0.4585,
0.3585

■ 12.8323, 0.6171,
0.3482

■ 26.5230, 0.4220,
0.3539

■ 31.0725, 0.3901,
0.3485

■ 36.3394, 0.3631,
0.3428

■ 42.3532, 0.3405,
0.3372

■ 49.1415, 0.3218,
0.3319

■ 56.7309, 0.3063,
0.3269

■ 65.1463, 0.2934,
0.3223

Harmonies

Analogous

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



16.8504, 0.4929, 0.2895



16.8504, 0.5396, 0.3614



16.8504, 0.5079, 0.4399

Triad

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



16.8504, 0.5396, 0.3614



16.8504, 0.2242, 0.4764



16.8504, 0.1805, 0.1657

Complementary

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



16.8504, 0.5396, 0.3614



30.6463, 0.2179, 0.2795

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.



16.8504, 0.1375, 0.1781



16.8504, 0.5396, 0.3614



16.8504, 0.1549, 0.3361

Square

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



16.8504, 0.5396, 0.3614



16.8504, 0.3241, 0.5504



16.8504, 0.1284, 0.2299



16.8504, 0.2628, 0.1830

Rectangle

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



16.8504, 0.5396, 0.3614



16.8504, 0.4570, 0.4934



16.8504, 0.1284, 0.2299



16.8504, 0.1621, 0.1662

Sweetspot

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



16.8514, 0.5396, 0.3614



67.4280, 0.3576, 0.3415



16.0435, 0.3608, 0.1950



13.6717, 0.3665, 0.3436



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8514, 0.5396, 0.3614



24.6498, 0.5982, 0.3538



33.1005, 0.4516, 0.4491



10.4058, 0.3284, 0.3338



8.6294, 0.6151, 0.3498



0.4737, 0.5721, 0.3839

Inverse Universe

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



30.6463, 0.2179, 0.2795



49.8605, 0.2087, 0.2670



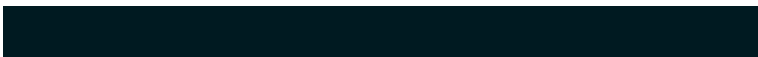
11.9028, 0.1852, 0.1518



11.0655, 0.2984, 0.3242



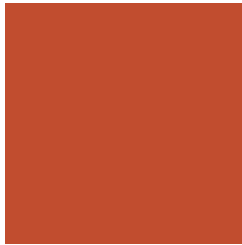
17.9035, 0.2062, 0.2623



0.8644, 0.2108, 0.2788

Previews

White Background



This preview shows how the Yxy color 16.8504, 0.5396, 0.3614 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8504, 0.5396, 0.3614 looks on a black 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

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

Yxy 16.8504, 0.5396, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 16.8504, 0.5396, 0.3614.



This preview shows how white text looks on a background with the Yxy color 16.8504, 0.5396, 0.3614.

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

16.8504, 0.5396, 0.3614

Protanopia

17.0790, 0.3991, 0.4357

Deuteranopia

16.9234, 0.4473, 0.4411



Tritanopia

16.7845, 0.5014, 0.3236

Trichromacy



Original Color

16.8504, 0.5396, 0.3614

Protanomaly

16.1530, 0.4533, 0.4049

Deuteranomaly

16.2936, 0.4848, 0.4074

Tritanomaly

16.7721, 0.5176, 0.3376

Monochromacy



Original Color

16.8504, 0.5396, 0.3614

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.7102, 0.3945, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8504, 0.5396, 0.3614 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(193, 77, 47)` looks like.

```
.text, #text, p{  
    color:rgb(193, 77, 47)  
}
```

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(193, 77, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 77, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.8504, 0.5396, 0.3614 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(193, 77, 47) }
```

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

```
.border{ border-color:rgb(193, 77, 47) }
```

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

Here you see how a box with a 4 pixel rgb(193, 77, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 77, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 77, 47);  
box-shadow:4px 4px 4px 4px rgb(193, 77,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8504, 0.5396, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 77, 47) }
```

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

```
.background{ background-color: rgb(193, 77,  
47) }
```

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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