

Converting Colors

$Y_{xy}(16.4439, 0.5411, 0.3593)$

Have a look what the booklet for
Yxy(16.4439, 0.5411, 0.3593)
contains.

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Color

Yxy(16.4439, 0.5411, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	C04B2F
RGB	192, 75, 47
RGB Percent	75%, 29%, 18%
CMY	0.2471, 0.7058, 0.8157
CMYK	0.00, 0.61, 0.76, 0.25
HSL	12°, 61%, 47%
HSV	12°, 76%, 75%
XYZ	24.7642, 16.4439, 4.5583
YIQ	106.7910, 78.7200, 16.0960

Conversions

Conversions Part 2

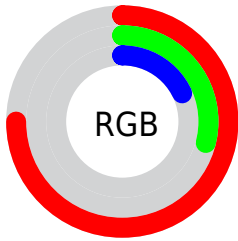
Format	Color
RYB	192, 82, 47
Decimal	12602159
CIELab	47.55, 45.42, 40.13
CIElCh	48, 60.606, 41.459
Yxy	16.4439, 0.5411, 0.3593
Android (android.graphics.Color)	4290792239 (0xFFC04B2F)
YUV	106.7910, -29.4770, 74.7283
Hunter-Lab	40.5511, 38.0443, 21.7210

Details

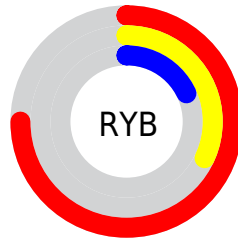
The Yxy color **16.4439, 0.5411, 0.3593** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **30.9466, 0.2188, 0.2827**, and the grayscale version is **14.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3354, 0.4901, 0.3612**, and **5.2579, 0.6241, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **14.4704, 0.5790, 0.3560**, and if you desaturate by 10%, it is **18.9988, 0.4997, 0.3593**.

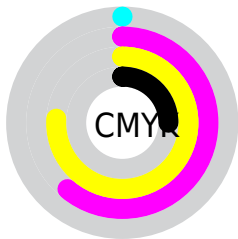
Distribution



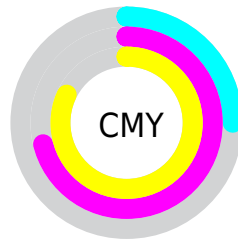
- Red (75%)
- Green (29%)
- Blue (18%)



- Red (75%)
- Yellow (32%)
- Blue (18%)



- Cyan (0%)
- Magenta (61%)
- Yellow (76%)
- Black (25%)




- Cyan (25%)
- Magenta (71%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4439, 0.5411, 0.3593 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 16.4439, 0.5411, 0.3593 by changing the saturation by 10% instead.


 16.4439, 0.5411,
0.3593


 16.4439, 0.5411,
0.3593

231.9470, 0.4106,
0.3540


 9.8388, 0.5765,
0.3539


 37.3671, 0.4907,
0.3615

 5.2922, 0.6239,
0.3427

 52.4541, 0.4725,
0.3609


 2.4197, 0.6832,
0.3168

 71.1371, 0.4575,
0.3599

 0.8360, 0.7426,
0.2574

 93.8006, 0.4450,
0.3587

 0.0000, 1.0000,
0.0000

 120.8289, 0.4344,
0.3575

 0.0000, 0.0000,
0.0000

 152.6065, 0.4253,

0.3563

189.5177, 0.4174,
0.3551

■ 16.4439, 0.5411,
0.3593

■ 16.4439, 0.5411,
0.3593

■ 14.4704, 0.5790,
0.3560

■ 18.9988, 0.4997,
0.3593

■ 13.0280, 0.6085,
0.3495

■ 22.1744, 0.4591,
0.3567

■ 12.5338, 0.6192,
0.3465

■ 26.0093, 0.4222,
0.3524

■ 30.5384, 0.3901,
0.3473

■ 35.7941, 0.3630,
0.3419

■ 41.8066, 0.3403,
0.3366

■ 48.6044, 0.3216,
0.3316

■ 56.2146, 0.3061,
0.3270

■ 64.6629, 0.2933,
0.3227

Harmonies

Analogous

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



16.4439, 0.4920, 0.2873



16.4439, 0.5411, 0.3593



16.4439, 0.5106, 0.4381

Triad

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



16.4439, 0.5411, 0.3593



16.4439, 0.2257, 0.4811



16.4439, 0.1780, 0.1646

Complementary

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



16.4439, 0.5411, 0.3593



30.9466, 0.2188, 0.2827

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.



16.4439, 0.1359, 0.1779



16.4439, 0.5411, 0.3593



16.4439, 0.1550, 0.3395

Square

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



16.4439, 0.5411, 0.3593



16.4439, 0.3266, 0.5526



16.4439, 0.1275, 0.2310



16.4439, 0.2598, 0.1814

Rectangle

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



16.4439, 0.5411, 0.3593



16.4439, 0.4599, 0.4922



16.4439, 0.1275, 0.2310



16.4439, 0.1599, 0.1654

Sweetspot

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



16.4448, 0.5411, 0.3593



67.0936, 0.3577, 0.3408



15.9688, 0.3570, 0.1927



13.5926, 0.3667, 0.3427



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.



16.4448, 0.5411, 0.3593



24.3138, 0.6006, 0.3518



31.9895, 0.4539, 0.4463



10.3860, 0.3284, 0.3335



8.5233, 0.6173, 0.3480



0.4649, 0.5754, 0.3813

Inverse Universe

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



30.9466, 0.2188, 0.2827



51.1896, 0.2098, 0.2709



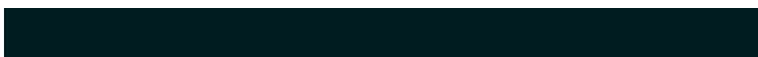
12.2229, 0.1864, 0.1562



11.0869, 0.2984, 0.3244



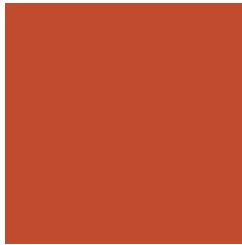
18.4201, 0.2074, 0.2665



0.8828, 0.2117, 0.2820

Previews

White Background



This preview shows how the Yxy color 16.4439, 0.5411, 0.3593 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 16.4439, 0.5411, 0.3593 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 16.4439, 0.5411, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 16.4439, 0.5411, 0.3593.



This preview shows how white text looks on a background with the Yxy color 16.4439, 0.5411, 0.3593.

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

16.4439, 0.5411, 0.3593

Protanopia

16.7104, 0.3961, 0.4337

Deuteranopia

16.6224, 0.4473, 0.4404



Tritanopia

16.4940, 0.5044, 0.3248

Trichromacy



Original Color

16.4439, 0.5411, 0.3593

Protanomaly

15.7797, 0.4506, 0.4030

Deuteranomaly

16.0065, 0.4850, 0.4065

Tritanomaly

16.4842, 0.5205, 0.3388

Monochromacy



Original Color

16.4439, 0.5411, 0.3593

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2436, 0.3960, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4439, 0.5411, 0.3593 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(192, 75, 47)` looks like.

```
.text, #text, p{  
    color:rgb(192, 75, 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(192, 75, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 75, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.4439, 0.5411, 0.3593 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(192, 75, 47) }
```

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

```
.border{ border-color:rgb(192, 75, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 75, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 75, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 75, 47);  
box-shadow:4px 4px 4px 4px rgb(192, 75,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4439, 0.5411, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 75, 47) }
```

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

```
.background{ background-color: rgb(192, 75,  
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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