

Converting Colors

$Y_{xy}(19.0630, 0.5118, 0.3597)$

Have a look what the booklet for
Yxy(19.0630, 0.5118, 0.3597)
contains.

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Color

Yxy(19.0630, 0.5118, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	C4583E
RGB	196, 88, 62
RGB Percent	77%, 35%, 24%
CMY	0.2314, 0.6549, 0.7568
CMYK	0.00, 0.55, 0.68, 0.23
HSL	12°, 53%, 51%
HSV	12°, 68%, 77%
XYZ	27.1238, 19.0630, 6.8101
YIQ	117.3280, 72.7140, 14.8100

Conversions

Conversions Part 2

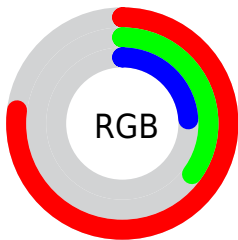
Format	Color
R _Y B	196, 94, 62
Decimal	12867646
CIE Lab	50.76, 41.42, 35.72
CIE LCh	51, 54.695, 40.768
Yxy	19.0630, 0.5118, 0.3597
Android (android.graphics.Color)	4291057726 (0xFFC4583E)
YUV	117.3280, -27.2767, 68.9953
Hunter-Lab	43.6612, 34.4832, 21.3150

Details

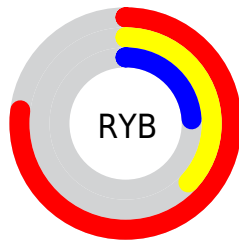
The Yxy color **19.0630, 0.5118, 0.3597** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **33.7622, 0.2242, 0.2875**, and the grayscale version is **17.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4355, 0.4661, 0.3605**, and **6.5365, 0.5840, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **16.5674, 0.5527, 0.3588**, and if you desaturate by 10%, it is **22.2003, 0.4706, 0.3577**.

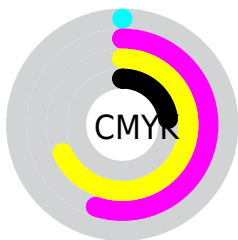
Distribution



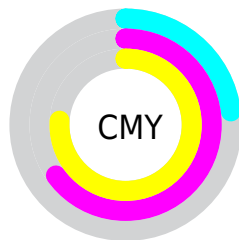
- Red (77%)
- Green (35%)
- Blue (24%)



- Red (77%)
- Yellow (37%)
- Blue (24%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (23%)




- Cyan (23%)
- Magenta (65%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0630, 0.5118, 0.3597 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 19.0630, 0.5118, 0.3597 by changing the saturation by 10% instead.


 19.0630, 0.5118,
0.3597


 19.0630, 0.5118,
0.3597


246.7963, 0.3990,
0.3511


 11.7158, 0.5430,
0.3573


 41.8405, 0.4681,
0.3593


 6.5505, 0.5836,
0.3505


 58.0397, 0.4524,
0.3583

 3.1826, 0.6557,
0.3437

 77.9582, 0.4395,
0.3570

 1.2278, 0.7047,
0.2953

 101.9806, 0.4287,
0.3557

 0.0842, 0.9299,
0.0701

 130.4912, 0.4195,
0.3545

 0.0000, 1.0000,
0.0000

 163.8744, 0.4117,

 0.0000, 0.0000,

0.3533

0.0000

202.5147, 0.4049,
0.3522

■ 19.0630, 0.5118,
0.3597

■ 19.0630, 0.5118,
0.3597

■ 16.5674, 0.5527,
0.3588

■ 22.2003, 0.4706,
0.3577

■ 14.6649, 0.5887,
0.3545

■ 26.0169, 0.4324,
0.3539

■ 13.3017, 0.6155,
0.3475

■ 30.5514, 0.3988,
0.3489

■ 13.1226, 0.6193,
0.3465

■ 35.8384, 0.3703,
0.3435

■ 41.9101, 0.3464,
0.3382

■ 48.7971, 0.3266,
0.3330

■ 56.5281, 0.3102,
0.3282

■ 65.1306, 0.2967,
0.3238

■ 74.6306, 0.2854,
0.3198

Harmonies

Analogous

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



19.0630, 0.4655, 0.2931



19.0630, 0.5118, 0.3597



19.0630, 0.4909, 0.4305

Triad

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



19.0630, 0.5118, 0.3597



19.0630, 0.2410, 0.4590



19.0630, 0.1922, 0.1821

Complementary

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



19.0630, 0.5118, 0.3597



33.7622, 0.2242, 0.2875

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.



19.0630, 0.1537, 0.1963



19.0630, 0.5118, 0.3597



19.0630, 0.1753, 0.3429

Square

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



19.0630, 0.5118, 0.3597



19.0630, 0.3319, 0.5197



19.0630, 0.1474, 0.2472



19.0630, 0.2653, 0.1965

Rectangle

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



19.0630, 0.5118, 0.3597



19.0630, 0.4490, 0.4760



19.0630, 0.1474, 0.2472



19.0630, 0.1756, 0.1834

Sweetspot

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



19.0640, 0.5118, 0.3597



72.5041, 0.3530, 0.3398



18.1394, 0.3519, 0.2002



14.8532, 0.3596, 0.3413



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.



19.0640, 0.5118, 0.3597



28.1859, 0.5714, 0.3571



35.0527, 0.4409, 0.4401



10.3871, 0.3284, 0.3335



8.5293, 0.6172, 0.3481



0.4654, 0.5752, 0.3815

Inverse Universe

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



33.7622, 0.2242, 0.2875



56.1141, 0.2139, 0.2770



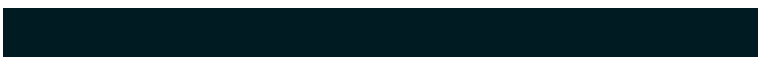
15.0007, 0.1967, 0.1741



11.0856, 0.2984, 0.3244



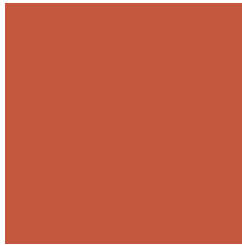
18.3900, 0.2073, 0.2663



0.8817, 0.2116, 0.2818

Previews

White Background



This preview shows how the Yxy color 19.0630, 0.5118, 0.3597 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 19.0630, 0.5118, 0.3597 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 19.0630, 0.5118, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 19.0630, 0.5118, 0.3597.



This preview shows how white text looks on a background with the Yxy color 19.0630, 0.5118, 0.3597.

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

19.0630, 0.5118, 0.3597

Protanopia

19.1557, 0.3846, 0.4151

Deuteranopia

19.2603, 0.4320, 0.4259



Tritanopia

18.9491, 0.4765, 0.3220

Trichromacy



Original Color

19.0630, 0.5118, 0.3597

Protanomaly

18.4474, 0.4314, 0.3923

Deuteranomaly

18.8290, 0.4633, 0.3992

Tritanomaly

18.9465, 0.4911, 0.3356

Monochromacy



Original Color

19.0630, 0.5118, 0.3597

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2821, 0.3827, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0630, 0.5118, 0.3597 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(196, 88, 62)` looks like.

```
.text, #text, p{  
    color:rgb(196, 88, 62)  
}
```

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(196, 88, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 88, 62) }
```

Border

The CSS property to change the border of an element to Yxy 19.0630, 0.5118, 0.3597 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(196, 88, 62) }
```

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

```
.border{ border-color:rgb(196, 88, 62) }
```

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

Here you see how a box with a 4 pixel rgb(196, 88, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 88, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 88, 62);  
box-shadow:4px 4px 4px 4px rgb(196, 88,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0630, 0.5118, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 88, 62) }
```

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

```
.background{ background-color: rgb(196, 88,  
62) }
```

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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