

Converting Colors

$Y_{xy}(23.6126, 0.4765, 0.3800)$

Have a look what the booklet for
Yxy(23.6126, 0.4765, 0.3800)
contains.

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Color

Yxy(23.5596, 0.4765, 0.3794)

Conversions

Conversions Part 1

Format	Color
Hex	C46F47
RGB	196, 111, 71
RGB Percent	77%, 44%, 28%
CMY	0.2313, 0.5647, 0.7216
CMYK	0.00, 0.43, 0.64, 0.23
HSL	19°, 51%, 52%
HSV	19°, 64%, 77%
XYZ	29.5892, 23.5596, 8.9482
YIQ	131.8550, 63.5000, 5.5800

Conversions

Conversions Part 2

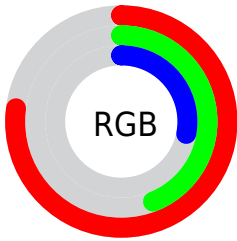
Format	Color
R_{YB}	196, 130, 71
Decimal	12873543
CIE Lab	55.64, 30.06, 36.57
CIE LCh	56, 47.340, 50.580
Yxy	23.5596, 0.4765, 0.3794
Android (android.graphics.Color)	4291063623 (0xFFC46F47)
YUV	131.8550, -30.0015, 56.2552
Hunter-Lab	48.5382, 23.8728, 23.0465

Details

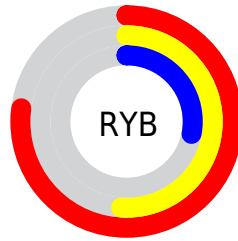
The Yxy color **23.5596, 0.4765, 0.3794** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **29.1060, 0.2221, 0.2643**, and the grayscale version is **23.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1914, 0.4402, 0.3735**, and **8.8338, 0.5304, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **20.6535, 0.5125, 0.3820**, and if you desaturate by 10%, it is **26.9834, 0.4416, 0.3737**.

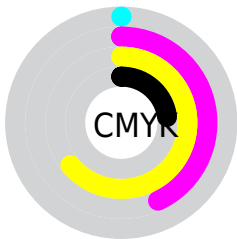
Distribution



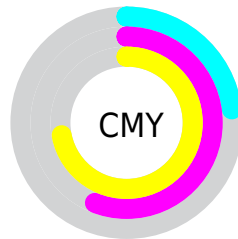
- Red (77%)
- Green (44%)
- Blue (28%)



- Red (77%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (23%)




- Cyan (23%)
- Magenta (56%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5596, 0.4765, 0.3794 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 23.5596, 0.4765, 0.3794 by changing the saturation by 10% instead.


 23.5596, 0.4765,
0.3794


 23.5596, 0.4765,
0.3794


270.5863, 0.3863,
0.3581


 15.0073, 0.5007,
0.3819


 49.3106, 0.4422,
0.3733


 8.8245, 0.5320,
0.3827


 67.2780, 0.4297,
0.3705


 4.6269, 0.5755,
0.3805

 89.1525, 0.4193,
0.3678

 2.0300, 0.6334,
0.3666

 115.3186, 0.4106,
0.3655

 0.6248, 0.6955,
0.3045

 146.1607, 0.4032,
0.3633

 0.0000, 1.0000,
0.0000

182.0630, 0.3968,

 0.0000, 0.0000,

0.3614

0.0000

223.4101, 0.3912,
0.3596

■ 23.5596, 0.4765,
0.3794

■ 23.5596, 0.4765,
0.3794

■ 20.6535, 0.5125,
0.3820

■ 26.9834, 0.4416,
0.3737

■ 18.2341, 0.5469,
0.3803

■ 30.9462, 0.4097,
0.3661

■ 16.2723, 0.5763,
0.3738

■ 35.4726, 0.3815,
0.3575

■ 15.2615, 0.5919,
0.3682

■ 40.5843, 0.3571,
0.3487

■ 46.3018, 0.3363,
0.3401

■ 52.6448, 0.3186,
0.3319

■ 59.6319, 0.3037,
0.3244

■ 67.2809, 0.2911,
0.3174

■ 75.6089, 0.2805,
0.3110

Harmonies

Analogous

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



23.5596, 0.4546, 0.3198



23.5596, 0.4765, 0.3794



23.5596, 0.4479, 0.4375

Triad

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



23.5596, 0.4765, 0.3794



23.5596, 0.2346, 0.4036



23.5596, 0.2297, 0.2064

Complementary

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



23.5596, 0.4765, 0.3794



29.1060, 0.2221, 0.2643

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.



23.5596, 0.1862, 0.2114



23.5596, 0.4765, 0.3794



23.5596, 0.1873, 0.3137

Square

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



23.5596, 0.4765, 0.3794



23.5596, 0.3068, 0.4711



23.5596, 0.1718, 0.2457



23.5596, 0.3007, 0.2261

Rectangle

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



23.5596, 0.4765, 0.3794



23.5596, 0.4084, 0.4681



23.5596, 0.1718, 0.2457



23.5596, 0.2119, 0.2052

Sweetspot

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



23.5608, 0.4765, 0.3794



78.0136, 0.3473, 0.3448



18.6581, 0.3727, 0.2239



16.0678, 0.3536, 0.3473



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.



23.5608, 0.4765, 0.3794



35.3631, 0.5282, 0.3818



42.1153, 0.4178, 0.4527



10.5923, 0.3281, 0.3364



9.9439, 0.5894, 0.3702



0.5562, 0.5448, 0.4056

Inverse Universe

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



29.1060, 0.2221, 0.2643



45.9144, 0.2081, 0.2468



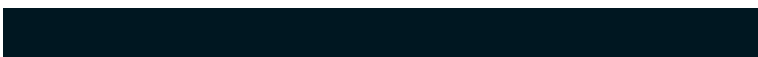
13.3159, 0.1976, 0.1589



10.8673, 0.2984, 0.3215



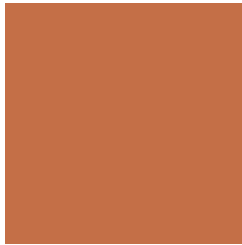
13.5507, 0.1951, 0.2222



0.7054, 0.2025, 0.2488

Previews

White Background



This preview shows how the Yxy color 23.5596, 0.4765, 0.3794 looks on a white background.

Color Contrast Check

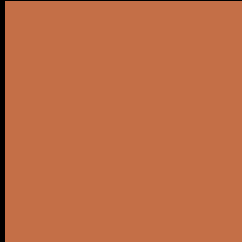
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5596, 0.4765, 0.3794 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 23.5596, 0.4765, 0.3794

Background



This preview shows how black text looks on a background with the Yxy color 23.5596, 0.4765, 0.3794.



This preview shows how white text looks on a background with the Yxy color 23.5596, 0.4765, 0.3794.

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

23.5596, 0.4765, 0.3794

Protanopia

23.7257, 0.3867, 0.4211

Deuteranopia

23.5833, 0.4285, 0.4189



Tritanopia

23.6424, 0.4291, 0.3202

Trichromacy



Original Color

23.5596, 0.4765, 0.3794

Protanomaly

23.3360, 0.4188, 0.4060

Deuteranomaly

23.3222, 0.4467, 0.4041

Tritanomaly

23.6127, 0.4475, 0.3424

Monochromacy



Original Color

23.5596, 0.4765, 0.3794

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5097, 0.3684, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5596, 0.4765, 0.3794 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, 111, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 111, 71)  
}
```

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, 111, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 111, 71) }
```

Border

The CSS property to change the border of an element to Yxy 23.5596, 0.4765, 0.3794 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, 111, 71) }
```

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

```
.border{ border-color:rgb(196, 111, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 111, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 111, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 111, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 111,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5596, 0.4765, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 111, 71) }
```

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

```
.background{ background-color: rgb(196,  
111, 71) }
```

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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