

Converting Colors

$Y_{xy}(23.1645, 0.4794, 0.3772)$

Have a look what the booklet for
Yxy(23.1645, 0.4794, 0.3772)
contains.

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Color

Yxy(23.1280, 0.4785, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	C46D47
RGB	196, 109, 71
RGB Percent	77%, 43%, 28%
CMY	0.2314, 0.5725, 0.7215
CMYK	0.00, 0.44, 0.64, 0.23
HSL	18°, 51%, 52%
HSV	18°, 64%, 77%
XYZ	29.3704, 23.1280, 8.8817
YIQ	130.6810, 64.0500, 6.6260

Conversions

Conversions Part 2

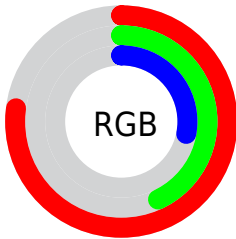
Format	Color
R_{YB}	196, 126, 71
Decimal	12873031
CIE _{Lab}	55.20, 31.12, 36.03
CIE _{LCh}	55, 47.607, 49.180
Yxy	23.1280, 0.4785, 0.3768
Android (android.graphics.Color)	4291063111 (0xFFC46D47)
YUV	130.6810, -29.4227, 57.2848
Hunter-Lab	48.0916, 24.8527, 22.7143

Details

The Yxy color **23.1280, 0.4785, 0.3768** 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 **29.7834, 0.2229, 0.2677**, and the grayscale version is **22.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4567, 0.4424, 0.3725**, and **8.6203, 0.5340, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **20.2282, 0.5153, 0.3791**, and if you desaturate by 10%, it is **26.5632, 0.4430, 0.3715**.

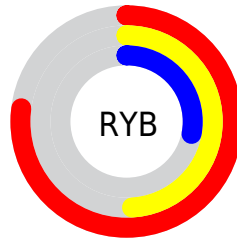
Distribution



Red (77%)

Green (43%)

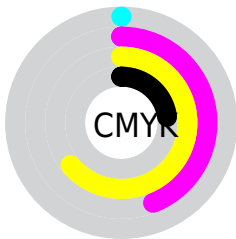
Blue (28%)



Red (77%)

Yellow (49%)

Blue (28%)

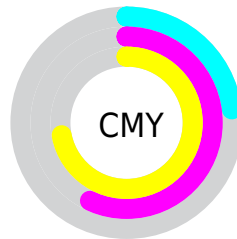


Cyan (0%)

Magenta (44%)

Yellow (64%)

Black (23%)



Cyan (23%)


Magenta (57%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1280, 0.4785, 0.3768 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 23.1280, 0.4785, 0.3768 by changing the saturation by 10% instead.


 23.1280, 0.4785,
0.3768


 23.1280, 0.4785,
0.3768


268.3817, 0.3869,
0.3569


 14.6880, 0.5032,
0.3789


 48.6034, 0.4435,
0.3713


 8.6007, 0.5353,
0.3791


 66.4077, 0.4308,
0.3686


 4.4817, 0.5803,
0.3761


 88.1022, 0.4203,
0.3662

 1.9465, 0.6396,
0.3604

 114.0713, 0.4115,
0.3639

 0.5761, 0.7082,
0.2918

 144.6994, 0.4039,
0.3619

 0.0000, 1.0000,
0.0000

180.3709, 0.3975,

 0.0000, 0.0000,

0.3601

0.0000

221.4702, 0.3918,
0.3584

■ 23.1280, 0.4785,
0.3768

■ 23.1280, 0.4785,
0.3768

■ 20.2282, 0.5153,
0.3791

■ 26.5632, 0.4430,
0.3715

■ 17.8312, 0.5504,
0.3772

■ 30.5566, 0.4105,
0.3642

■ 15.9060, 0.5802,
0.3706

■ 35.1340, 0.3819,
0.3561

■ 14.9216, 0.5959,
0.3651

■ 40.3185, 0.3572,
0.3477

■ 46.1317, 0.3363,
0.3395

■ 52.5944, 0.3186,
0.3318

■ 59.7261, 0.3037,
0.3246

■ 67.5457, 0.2911,
0.3179

■ 76.0712, 0.2805,
0.3119

Harmonies

Analogous

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



23.1280, 0.4539, 0.3169



23.1280, 0.4785, 0.3768



23.1280, 0.4515, 0.4359

Triad

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



23.1280, 0.4785, 0.3768



23.1280, 0.2366, 0.4087



23.1280, 0.2261, 0.2049

Complementary

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



23.1280, 0.4785, 0.3768



29.7834, 0.2229, 0.2677

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.



23.1280, 0.1836, 0.2111



23.1280, 0.4785, 0.3768



23.1280, 0.1875, 0.3173

Square

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



23.1280, 0.4785, 0.3768



23.1280, 0.3102, 0.4747



23.1280, 0.1705, 0.2472



23.1280, 0.2966, 0.2237

Rectangle

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



23.1280, 0.4785, 0.3768



23.1280, 0.4124, 0.4678



23.1280, 0.1705, 0.2472



23.1280, 0.2087, 0.2040

Sweetspot

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



23.1292, 0.4785, 0.3768



77.6016, 0.3475, 0.3440



18.7307, 0.3696, 0.2216



15.9694, 0.3537, 0.3464



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.



23.1292, 0.4785, 0.3768



34.6064, 0.5313, 0.3788



41.3159, 0.4195, 0.4506



10.5660, 0.3281, 0.3361



9.7230, 0.5934, 0.3670



0.5445, 0.5484, 0.4028

Inverse Universe

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



29.7834, 0.2229, 0.2677



47.3139, 0.2092, 0.2511



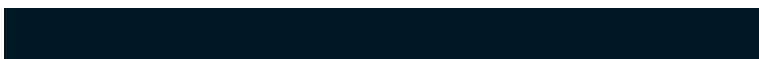
13.6952, 0.1984, 0.1622



10.8949, 0.2984, 0.3218



14.1101, 0.1966, 0.2279



0.7264, 0.2036, 0.2531

Previews

White Background



This preview shows how the Yxy color 23.1280, 0.4785, 0.3768 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 23.1280, 0.4785, 0.3768 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 23.1280, 0.4785, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 23.1280, 0.4785, 0.3768.



This preview shows how white text looks on a background with the Yxy color 23.1280, 0.4785, 0.3768.

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

23.1280, 0.4785, 0.3768

Protanopia

23.3593, 0.3862, 0.4201

Deuteranopia

23.1135, 0.4270, 0.4186



Tritanopia

23.0541, 0.4320, 0.3201

Trichromacy



Original Color

23.1280, 0.4785, 0.3768

Protanomaly

22.8296, 0.4206, 0.4031

Deuteranomaly

22.9643, 0.4466, 0.4031

Tritanomaly

23.0229, 0.4506, 0.3425

Monochromacy



Original Color

23.1280, 0.4785, 0.3768

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2386, 0.3701, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1280, 0.4785, 0.3768 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, 109, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 109, 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, 109, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 109, 71) }
```

Border

The CSS property to change the border of an element to Yxy 23.1280, 0.4785, 0.3768 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, 109, 71) }
```

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

```
.border{ border-color:rgb(196, 109, 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, 109, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 109, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 109, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 109,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1280, 0.4785, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 109, 71) }
```

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

```
.background{ background-color: rgb(196,  
109, 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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