

Converting Colors

$Y_{xy}(23.6872, 0.5120, 0.4176)$

Have a look what the booklet for
Yxy(23.6872, 0.5120, 0.4176)
contains.

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Color

Yxy(23.7552, 0.5117, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	C5711A
RGB	197, 113, 26
RGB Percent	77%, 44%, 10%
CMY	0.2275, 0.5568, 0.8980
CMYK	0.00, 0.43, 0.87, 0.23
HSL	31°, 77%, 44%
HSV	31°, 87%, 77%
XYZ	29.1151, 23.7552, 4.0284
YIQ	128.1980, 77.9910, -9.2490

Conversions

Conversions Part 2

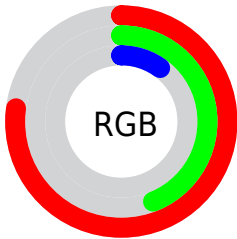
Format	Color
RYB	191, 197, 26
Decimal	12939546
CIELab	55.84, 27.39, 57.22
CIELCh	56, 63.439, 64.423
Yxy	23.7552, 0.5117, 0.4175
Android (android.graphics.Color)	4291129626 (0xFFC5711A)
YUV	128.1980, -50.3836, 60.3394
Hunter-Lab	48.7393, 21.3355, 29.2170

Details

The Yxy color **23.7552, 0.5117, 0.4175** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.3986, 0.1860, 0.1782**, and the grayscale version is **21.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7495, 0.4721, 0.4099**, and **8.9852, 0.5466, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **21.6504, 0.5324, 0.4126**, and if you desaturate by 10%, it is **26.1522, 0.4873, 0.4171**.

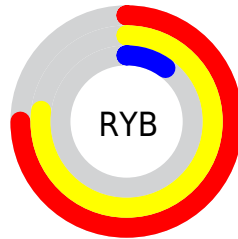
Distribution



Red (77%)

Green (44%)

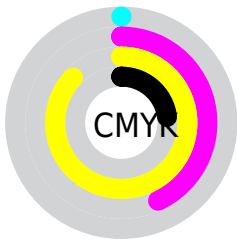
Blue (10%)



Red (75%)

Yellow (77%)

Blue (10%)

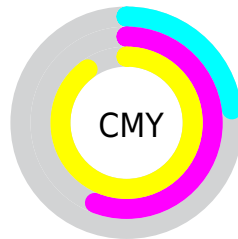


Cyan (0%)

Magenta (43%)

Yellow (87%)

Black (23%)



Cyan (23%)


Magenta (56%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7552, 0.5117, 0.4175 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 23.7552, 0.5117, 0.4175 by changing the saturation by 10% instead.


 23.7552, 0.5117,
0.4175


 23.7552, 0.5117,
0.4175


271.5805, 0.4082,
0.3826


 15.1521, 0.5349,
0.4197


 49.6304, 0.4751,
0.4089


 8.9262, 0.5648,
0.4201


 67.6714, 0.4608,
0.4043


 4.6931, 0.5923,
0.4077

 89.6271, 0.4486,
0.3999

 2.0683, 0.6213,
0.3787

 115.8819, 0.4382,
0.3958

 0.6467, 0.6785,
0.3215

 146.8203, 0.4291,
0.3920

 0.0000, 1.0000,
0.0000

 182.8265, 0.4212,

 0.0000, 0.0000,

0.3886

0.0000

224.2852, 0.4143,
0.3854

23.7552, 0.5117,
0.4175

23.7552, 0.5117,
0.4175

21.6504, 0.5324,
0.4126

26.1522, 0.4873,
0.4171

21.0287, 0.5387,
0.4104

28.8561, 0.4608,
0.4118

31.8834, 0.4337,
0.4026

35.2478, 0.4075,
0.3909

38.9619, 0.3830,
0.3778

■ 43.0377, 0.3608,
0.3641

■ 47.4862, 0.3409,
0.3505

■ 52.3180, 0.3234,
0.3375

■ 57.5432, 0.3080,
0.3251

Harmonies

Analogous

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



23.7552, 0.5220, 0.3438



23.7552, 0.5117, 0.4175



23.7552, 0.4456, 0.4917

Triad

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



23.7552, 0.5117, 0.4175



23.7552, 0.1773, 0.3701



23.7552, 0.2421, 0.1833

Complementary

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



23.7552, 0.5117, 0.4175



15.3986, 0.1860, 0.1782

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.



23.7552, 0.1733, 0.1739



23.7552, 0.5117, 0.4175



23.7552, 0.1406, 0.2577

Square

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



23.7552, 0.5117, 0.4175



23.7552, 0.2537, 0.4928



23.7552, 0.1405, 0.1952



23.7552, 0.3464, 0.2191

Rectangle

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



23.7552, 0.5117, 0.4175



23.7552, 0.3847, 0.5279



23.7552, 0.1405, 0.1952



23.7552, 0.2149, 0.1771

Sweetspot

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



23.7565, 0.5117, 0.4175



77.3964, 0.3599, 0.3635



13.7664, 0.4652, 0.2436



15.9983, 0.3675, 0.3684



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.



23.7565, 0.5117, 0.4175



37.1615, 0.5410, 0.4087



51.8692, 0.4161, 0.4999



11.5142, 0.3277, 0.3408



14.0013, 0.5368, 0.4120



0.8077, 0.5059, 0.4365

Inverse Universe

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



15.3986, 0.1860, 0.1782



21.9481, 0.1754, 0.1515



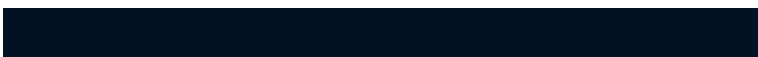
4.9896, 0.1574, 0.0722



11.1332, 0.2983, 0.3169



8.4114, 0.1768, 0.1564



0.5432, 0.1875, 0.1948

Previews

White Background



This preview shows how the Yxy color 23.7552, 0.5117, 0.4175 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 23.7552, 0.5117, 0.4175 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 23.7552, 0.5117, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 23.7552, 0.5117, 0.4175.



This preview shows how white text looks on a background with the Yxy color 23.7552, 0.5117, 0.4175.

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

23.7552, 0.5117, 0.4175

Protanopia

24.0115, 0.4290, 0.4749

Deuteranopia

23.7622, 0.4682, 0.4585



Tritanopia

23.7129, 0.4321, 0.3190

Trichromacy



Original Color

23.7552, 0.5117, 0.4175

Protanomaly

23.5973, 0.4602, 0.4530

Deuteranomaly

23.6729, 0.4847, 0.4429

Tritanomaly

23.5986, 0.4719, 0.3631

Monochromacy



Original Color

23.7552, 0.5117, 0.4175

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6936, 0.3898, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7552, 0.5117, 0.4175 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(197, 113, 26)` looks like.

```
.text, #text, p{  
    color:rgb(197, 113, 26)  
}
```

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(197, 113, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 113, 26) }
```

Border

The CSS property to change the border of an element to Yxy 23.7552, 0.5117, 0.4175 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(197, 113, 26) }
```

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

```
.border{ border-color:rgb(197, 113, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 113, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 113, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 113, 26);  
box-shadow:4px 4px 4px 4px rgb(197, 113,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7552, 0.5117, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 113, 26) }
```

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

```
.background{ background-color: rgb(197,  
113, 26) }
```

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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