

Converting Colors

$Y_{xy}(23.7413, 0.4963, 0.4132)$

Have a look what the booklet for
Yxy(23.7413, 0.4963, 0.4132)
contains.

Yxy(23.7590, 0.4964, 0.4135)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.7590, 0.4964, 0.4135)$

Conversions

Conversions Part 1

Format	Color
Hex	C17329
RGB	193, 115, 41
RGB Percent	76%, 45%, 16%
CMY	0.2431, 0.5490, 0.8394
CMYK	0.00, 0.40, 0.79, 0.24
HSL	29°, 65%, 46%
HSV	29°, 79%, 76%
XYZ	28.5223, 23.7590, 5.1770
YIQ	129.8860, 70.2420, -6.4780

Conversions

Conversions Part 2

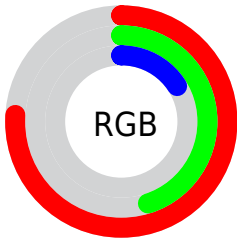
Format	Color
RYB	193, 185, 41
Decimal	12677929
CIELab	55.85, 25.07, 51.42
CIElCh	56, 57.203, 64.008
Yxy	23.7590, 0.4964, 0.4135
Android (android.graphics.Color)	4290868009 (0xFFC17329)
YUV	129.8860, -43.8208, 55.3510
Hunter-Lab	48.7432, 19.1494, 27.8231

Details

The Yxy color **23.7590, 0.4964, 0.4135** 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 **17.5033, 0.1956, 0.1999**, and the grayscale version is **22.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4810, 0.4611, 0.4030**, and **8.9648, 0.5390, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **21.5189, 0.5212, 0.4124**, and if you desaturate by 10%, it is **26.3102, 0.4691, 0.4095**.

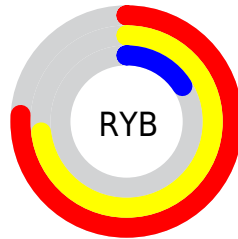
Distribution



Red (76%)

Green (45%)

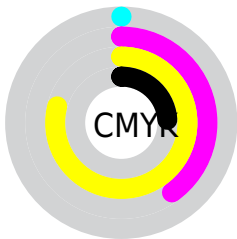
Blue (16%)



Red (76%)

Yellow (73%)

Blue (16%)

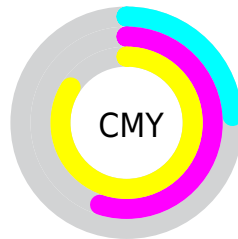


Cyan (0%)

Magenta (40%)

Yellow (79%)

Black (24%)



Cyan (24%)


Magenta (55%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7590, 0.4964, 0.4135 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 23.7590, 0.4964, 0.4135 by changing the saturation by 10% instead.


 23.7590, 0.4964,
0.4135


 23.7590, 0.4964,
0.4135


271.5998, 0.3991,
0.3777


 15.1549, 0.5195,
0.4174


 49.6366, 0.4611,
0.4035


 8.9282, 0.5474,
0.4186


 67.6790, 0.4477,
0.3987


 4.6944, 0.5841,
0.4159

 89.6363, 0.4363,
0.3943

 2.0691, 0.6112,
0.3888

 115.8928, 0.4266,
0.3903

 0.6472, 0.6657,
0.3343

 146.8331, 0.4183,
0.3866

 0.0000, 1.0000,
0.0000

 182.8414, 0.4110,

 0.0000, 0.0000,

0.3833

0.0000

224.3021, 0.4047,
0.3804

■ 23.7590, 0.4964,
0.4135

■ 23.7590, 0.4964,
0.4135

■ 21.5189, 0.5212,
0.4124

■ 26.3102, 0.4691,
0.4095

■ 19.5641, 0.5424,
0.4063

■ 29.1844, 0.4410,
0.4015

■ 19.3415, 0.5450,
0.4055

■ 32.3972, 0.4138,
0.3907

■ 35.9617, 0.3884,
0.3782

■ 39.8901, 0.3653,
0.3652

■ 44.1939, 0.3448,
0.3521

■ 48.8840, 0.3267,
0.3395

■ 53.9707, 0.3109,
0.3276

■ 59.4642, 0.2972,
0.3165

Harmonies

Analogous

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



23.7590, 0.5022, 0.3446



23.7590, 0.4964, 0.4135



23.7590, 0.4384, 0.4796

Triad

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



23.7590, 0.4964, 0.4135



23.7590, 0.1901, 0.3685



23.7590, 0.2476, 0.1940

Complementary

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



23.7590, 0.4964, 0.4135



17.5033, 0.1956, 0.1999

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.



23.7590, 0.1836, 0.1858



23.7590, 0.4964, 0.4135



23.7590, 0.1541, 0.2669

Square

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



23.7590, 0.4964, 0.4135



23.7590, 0.2620, 0.4753



23.7590, 0.1530, 0.2073



23.7590, 0.3425, 0.2273

Rectangle

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



23.7590, 0.4964, 0.4135



23.7590, 0.3832, 0.5096



23.7590, 0.1530, 0.2073



23.7590, 0.2224, 0.1883

Sweetspot

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



23.7602, 0.4964, 0.4135



74.7528, 0.3560, 0.3594



14.2648, 0.4401, 0.2401



15.4556, 0.3636, 0.3641



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.



23.7602, 0.4964, 0.4135



35.8023, 0.5376, 0.4079



48.5247, 0.4143, 0.4915



10.8695, 0.3277, 0.3402



13.0238, 0.5429, 0.4071



0.7007, 0.5083, 0.4346

Inverse Universe

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



17.5033, 0.1956, 0.1999



24.1046, 0.1807, 0.1677



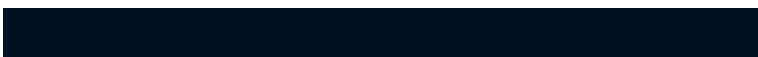
6.0850, 0.1667, 0.0888



10.5832, 0.2984, 0.3175



8.6574, 0.1789, 0.1638



0.5117, 0.1899, 0.2037

Previews

White Background



This preview shows how the Yxy color 23.7590, 0.4964, 0.4135 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 23.7590, 0.4964, 0.4135 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 23.7590, 0.4964, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 23.7590, 0.4964, 0.4135.



This preview shows how white text looks on a background with the Yxy color 23.7590, 0.4964, 0.4135.

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

23.7590, 0.4964, 0.4135

Protanopia

24.0092, 0.4194, 0.4633

Deuteranopia

23.7411, 0.4581, 0.4481



Tritanopia

23.8332, 0.4227, 0.3200

Trichromacy



Original Color

23.7590, 0.4964, 0.4135

Protanomaly

23.7272, 0.4481, 0.4449

Deuteranomaly

23.7708, 0.4722, 0.4352

Tritanomaly

23.8092, 0.4560, 0.3594

Monochromacy



Original Color

23.7590, 0.4964, 0.4135

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3214, 0.3800, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7590, 0.4964, 0.4135 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(193, 115, 41)` looks like.

```
.text, #text, p{  
    color:rgb(193, 115, 41)  
}
```

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(193, 115, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 115, 41) }
```

Border

The CSS property to change the border of an element to Yxy 23.7590, 0.4964, 0.4135 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(193, 115, 41) }
```

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

```
.border{ border-color:rgb(193, 115, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 115, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 115, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 115, 41);  
box-shadow:4px 4px 4px 4px rgb(193, 115,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7590, 0.4964, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 115, 41) }
```

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

```
.background{ background-color: rgb(193,  
115, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor