

Converting Colors

$Y_{xy}(23.3535, 0.5397, 0.3829)$

Have a look what the booklet for
Yxy(23.3535, 0.5397, 0.3829)
contains.

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Color

Yxy(23.4808, 0.5397, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	D86227
RGB	216, 98, 39
RGB Percent	85%, 38%, 15%
CMY	0.1529, 0.6157, 0.8471
CMYK	0.00, 0.55, 0.82, 0.15
HSL	20°, 69%, 50%
HSV	20°, 82%, 85%
XYZ	33.0532, 23.4808, 4.7096
YIQ	126.5560, 89.2670, 6.6670

Conversions

Conversions Part 2

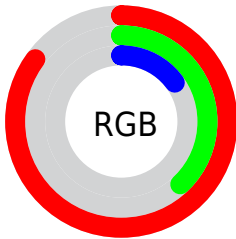
Format	Color
R _Y B	216, 128, 39
Decimal	14180903
CIE Lab	55.56, 43.14, 53.18
CIE LCh	56, 68.481, 50.949
Yxy	23.4808, 0.5397, 0.3834
Android (android.graphics.Color)	4292370983 (0xFFD86227)
YUV	126.5560, -43.1651, 78.4424
Hunter-Lab	48.4570, 36.9576, 28.1574

Details

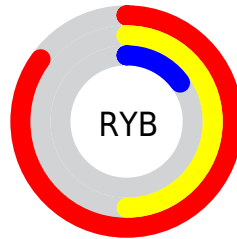
The Yxy color **23.4808, 0.5397, 0.3834** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **29.5022, 0.2037, 0.2377**, and the grayscale version is **21.1921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1145, 0.4774, 0.3892**, and **8.8240, 0.5941, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **20.9206, 0.5697, 0.3776**, and if you desaturate by 10%, it is **26.6098, 0.5053, 0.3843**.

Distribution



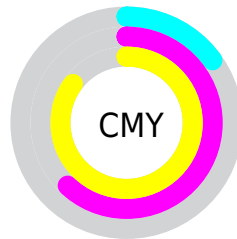
- Red (85%)
- Green (38%)
- Blue (15%)



- Red (85%)
- Yellow (50%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4808, 0.5397, 0.3834 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 23.4808, 0.5397, 0.3834 by changing the saturation by 10% instead.


 23.4808, 0.5397,
0.3834


 23.4808, 0.5397,
0.3834


270.1850, 0.4193,
0.3683


 14.9489, 0.5681,
0.3804


 49.1816, 0.4962,
0.3824


 8.7835, 0.6032,
0.3727


 67.1193, 0.4795,
0.3806


 4.6003, 0.6449,
0.3551


 88.9611, 0.4655,
0.3785

 2.0147, 0.6847,
0.3153

 115.0914, 0.4535,
0.3763

 0.6160, 0.7568,
0.2432

 145.8945, 0.4431,
0.3741

 0.0000, 1.0000,
0.0000

 181.7549, 0.4341,

 0.0000, 0.0000,

0.3721

0.0000

223.0569, 0.4262,
0.3701

■ 23.4808, 0.5397,
0.3834

■ 23.4808, 0.5397,
0.3834

■ 20.9206, 0.5697,
0.3776

■ 26.6098, 0.5053,
0.3843

■ 19.2345, 0.5895,
0.3701

■ 30.3399, 0.4697,
0.3809

■ 34.7048, 0.4355,
0.3744

■ 39.7344, 0.4043,
0.3662

■ 45.4566, 0.3768,
0.3572

■ 51.8976, 0.3531,
0.3480

■ 59.0819, 0.3329,
0.3390

■ 67.0330, 0.3157,
0.3306

■ 75.7734, 0.3012,
0.3227

Harmonies

Analogous

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



23.4808, 0.5173, 0.3093



23.4808, 0.5397, 0.3834



23.4808, 0.4891, 0.4642

Triad

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



23.4808, 0.5397, 0.3834



23.4808, 0.1984, 0.4386



23.4808, 0.1990, 0.1665

Complementary

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



23.4808, 0.5397, 0.3834



29.5022, 0.2037, 0.2377

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.



23.4808, 0.1449, 0.1697



23.4808, 0.5397, 0.3834



23.4808, 0.1414, 0.2987

Square

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



23.4808, 0.5397, 0.3834



23.4808, 0.2931, 0.5440



23.4808, 0.1261, 0.2085



23.4808, 0.2941, 0.1920

Rectangle

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



23.4808, 0.5397, 0.3834



23.4808, 0.4310, 0.5160



23.4808, 0.1261, 0.2085



23.4808, 0.1766, 0.1642

Sweetspot

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



23.4821, 0.5397, 0.3834



72.3708, 0.3605, 0.3510



18.4846, 0.4027, 0.2119



14.7789, 0.3690, 0.3543



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.



23.4821, 0.5397, 0.3834



28.3175, 0.5866, 0.3708



50.0749, 0.4391, 0.4743



13.0905, 0.3283, 0.3368



11.5628, 0.5868, 0.3723



0.8475, 0.5530, 0.3991

Inverse Universe

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



29.5022, 0.2037, 0.2377



36.6415, 0.1937, 0.2163



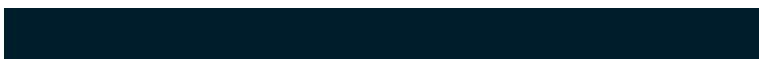
9.5845, 0.1686, 0.1054



13.3779, 0.2982, 0.3210



14.9457, 0.1936, 0.2168



1.0508, 0.1996, 0.2385

Previews

White Background



This preview shows how the Yxy color 23.4808, 0.5397, 0.3834 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 23.4808, 0.5397, 0.3834 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 23.4808, 0.5397, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 23.4808, 0.5397, 0.3834.



This preview shows how white text looks on a background with the Yxy color 23.4808, 0.5397, 0.3834.

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

23.4808, 0.5397, 0.3834

Protanopia

23.6532, 0.4179, 0.4607

Deuteranopia

23.5874, 0.4612, 0.4543



Tritanopia

23.4416, 0.4812, 0.3228

Trichromacy



Original Color

23.4808, 0.5397, 0.3834

Protanomaly

22.7484, 0.4642, 0.4302

Deuteranomaly

22.9094, 0.4927, 0.4257

Tritanomaly

23.2929, 0.5070, 0.3478

Monochromacy



Original Color

23.4808, 0.5397, 0.3834

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6879, 0.3972, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4808, 0.5397, 0.3834 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(216, 98, 39)` looks like.

```
.text, #text, p{  
  color:rgb(216, 98, 39)  
}
```

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(216, 98, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 98, 39) }
```

Border

The CSS property to change the border of an element to Yxy 23.4808, 0.5397, 0.3834 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(216, 98, 39) }
```

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

```
.border{ border-color:rgb(216, 98, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 98, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 98, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 98, 39);  
box-shadow:4px 4px 4px 4px rgb(216, 98,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4808, 0.5397, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 98, 39) }
```

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

```
.background{ background-color: rgb(216, 98,  
39) }
```

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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