

Converting Colors

$Y_{xy}(23.9648, 0.5097, 0.3605)$

Have a look what the booklet for
Yxy(23.9648, 0.5097, 0.3605)
contains.

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Color

Yxy(23.9648, 0.5097, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	D86346
RGB	216, 99, 70
RGB Percent	85%, 39%, 27%
CMY	0.1530, 0.6117, 0.7256
CMYK	0.00, 0.54, 0.68, 0.15
HSL	12°, 65%, 56%
HSV	12°, 68%, 85%
XYZ	33.8831, 23.9648, 8.6287
YIQ	130.6770, 79.0410, 15.7850

Conversions

Conversions Part 2

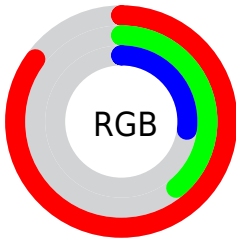
Format	Color
R _Y B	216, 106, 70
Decimal	14181190
CIE Lab	56.05, 43.96, 38.32
CIE LCh	56, 58.317, 41.082
Yxy	23.9648, 0.5097, 0.3605
Android (android.graphics.Color)	4292371270 (0xFFD86346)
YUV	130.6770, -29.9138, 74.8283
Hunter-Lab	48.9539, 37.8784, 23.8172

Details

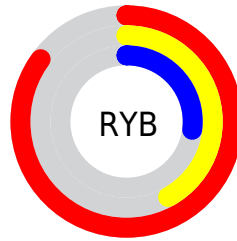
The Yxy color **23.9648, 0.5097, 0.3605** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **41.7729, 0.2242, 0.2866**, and the grayscale version is **22.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3744, 0.4491, 0.3642**, and **9.0675, 0.5740, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **20.8055, 0.5508, 0.3598**, and if you desaturate by 10%, it is **27.9270, 0.4685, 0.3584**.

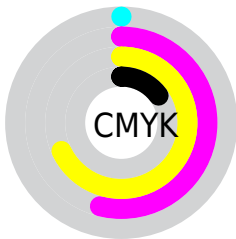
Distribution



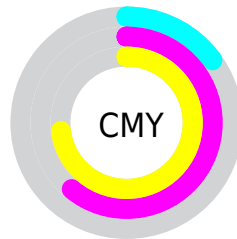
- Red (85%)
- Green (39%)
- Blue (27%)



- Red (85%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (54%)
- Yellow (68%)
- Black (15%)





- Cyan (15%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9648, 0.5097, 0.3605 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 23.9648, 0.5097, 0.3605 by changing the saturation by 10% instead.


 23.9648, 0.5097,
0.3605


 23.9648, 0.5097,
0.3605


272.6425, 0.4018,
0.3520


 15.3075, 0.5381,
0.3587


 49.9728, 0.4689,
0.3600

 9.0355, 0.5743,
0.3533


 68.0922, 0.4540,
0.3589

 4.7643, 0.6244,
0.3425

 90.1345, 0.4416,
0.3578

 2.1097, 0.6852,
0.3148

 116.4840, 0.4311,
0.3565

 0.6701, 0.7530,
0.2470

 147.5252, 0.4221,
0.3553

 0.0000, 1.0000,
0.0000

183.6424, 0.4144,

 0.0000, 0.0000,

0.3541

0.0000

225.2200, 0.4077,
0.3530

■ 23.9648, 0.5097,
0.3605

■ 23.9648, 0.5097,
0.3605

■ 20.8055, 0.5508,
0.3598

■ 27.9270, 0.4685,
0.3584

■ 18.3890, 0.5871,
0.3555

■ 32.7390, 0.4304,
0.3543

■ 16.6506, 0.6139,
0.3481


■ 38.4485, 0.3971,
0.3491

■ 16.3228, 0.6193,
0.3465


■ 45.0985, 0.3687,
0.3436

■ 52.7291, 0.3450,
0.3381

 61.3782, 0.3253,
0.3328

 71.0816, 0.3091,
0.3279

 81.8733, 0.2957,
0.3234

 93.1683, 0.2894,
0.3287

Harmonies

Analogous

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



23.9648, 0.4645, 0.2942



23.9648, 0.5097, 0.3605



23.9648, 0.4888, 0.4307

Triad

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



23.9648, 0.5097, 0.3605



23.9648, 0.2411, 0.4562



23.9648, 0.1940, 0.1835

Complementary

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



23.9648, 0.5097, 0.3605



41.7729, 0.2242, 0.2866

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.



23.9648, 0.1554, 0.1974



23.9648, 0.5097, 0.3605



23.9648, 0.1763, 0.3417

Square

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



23.9648, 0.5097, 0.3605



23.9648, 0.3311, 0.5171



23.9648, 0.1488, 0.2475



23.9648, 0.2669, 0.1980

Rectangle

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



23.9648, 0.5097, 0.3605



23.9648, 0.4471, 0.4755



23.9648, 0.1488, 0.2475



23.9648, 0.1774, 0.1847

Sweetspot

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



23.9661, 0.5097, 0.3605



73.7868, 0.3507, 0.3395



22.6572, 0.3517, 0.2007



15.1098, 0.3573, 0.3410



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.



23.9661, 0.5097, 0.3605



28.7124, 0.5667, 0.3584



43.6944, 0.4403, 0.4398



12.8169, 0.3286, 0.3337



9.7846, 0.6170, 0.3483



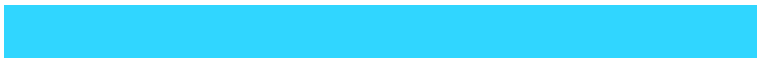
0.7084, 0.5840, 0.3745

Inverse Universe

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



41.7729, 0.2242, 0.2866



55.9059, 0.2141, 0.2763



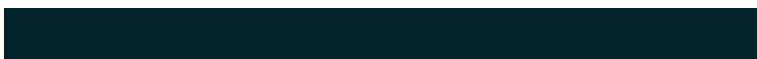
18.7969, 0.1972, 0.1749



13.6685, 0.2983, 0.3243



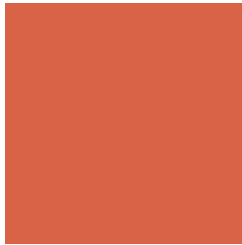
20.7862, 0.2067, 0.2643



1.3630, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 23.9648, 0.5097, 0.3605 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 23.9648, 0.5097, 0.3605 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 23.9648, 0.5097, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 23.9648, 0.5097, 0.3605.



This preview shows how white text looks on a background with the Yxy color 23.9648, 0.5097, 0.3605.

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

23.9648, 0.5097, 0.3605

Protanopia

24.1555, 0.3832, 0.4159

Deuteranopia

23.9155, 0.4316, 0.4235



Tritanopia

24.0294, 0.4747, 0.3227

Trichromacy



Original Color

23.9648, 0.5097, 0.3605

Protanomaly

23.2398, 0.4300, 0.3943

Deuteranomaly

23.3063, 0.4623, 0.3974

Tritanomaly

23.8556, 0.4883, 0.3362

Monochromacy



Original Color

23.9648, 0.5097, 0.3605

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9792, 0.3810, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9648, 0.5097, 0.3605 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, 99, 70)` looks like.

```
.text, #text, p{  
    color:rgb(216, 99, 70)  
}
```

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, 99, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 99, 70) }
```

Border

The CSS property to change the border of an element to Yxy 23.9648, 0.5097, 0.3605 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, 99, 70) }
```

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

```
.border{ border-color:rgb(216, 99, 70) }
```

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

Here you see how a box with a 4 pixel rgb(216, 99, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 99, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 99, 70);  
box-shadow:4px 4px 4px 4px rgb(216, 99,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9648, 0.5097, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 99, 70) }
```

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

```
.background{ background-color: rgb(216, 99,  
70) }
```

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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