

Converting Colors

$Y_{xy}(23.4188, 0.5468, 0.3810)$

Have a look what the booklet for
Yxy(23.4188, 0.5468, 0.3810)
contains.

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Color

Yxy(23.3719, 0.5476, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	DB5F24
RGB	219, 95, 36
RGB Percent	86%, 37%, 14%
CMY	0.1411, 0.6275, 0.8588
CMYK	0.00, 0.57, 0.84, 0.14
HSL	19°, 72%, 50%
HSV	19°, 84%, 86%
XYZ	33.6270, 23.3719, 4.4091
YIQ	125.3500, 92.8430, 7.9390

Conversions

Conversions Part 2

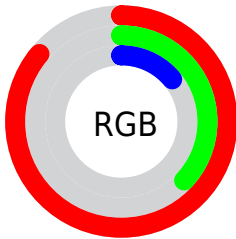
Format	Color
RYB	219, 123, 36
Decimal	14376740
CIELab	55.45, 45.64, 54.52
CIElCh	55, 71.102, 50.061
Yxy	23.3719, 0.5476, 0.3806
Android (android.graphics.Color)	4292566820 (0xFFDB5F24)
YUV	125.3500, -44.0495, 82.1311
Hunter-Lab	48.3445, 39.5566, 28.4338

Details

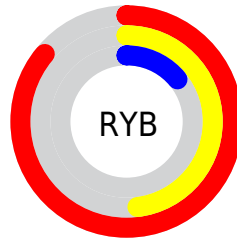
The Yxy color **23.3719, 0.5476, 0.3806** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **30.6429, 0.2034, 0.2388**, and the grayscale version is **20.7614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4268, 0.4815, 0.3896**, and **8.7238, 0.6013, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **20.8539, 0.5769, 0.3739**, and if you desaturate by 10%, it is **26.4837, 0.5132, 0.3824**.

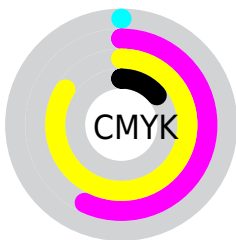
Distribution



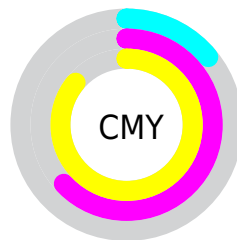
- Red (86%)
- Green (37%)
- Blue (14%)



- Red (86%)
- Yellow (48%)
- Blue (14%)



- Cyan (0%)
- Magenta (57%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (63%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3719, 0.5476, 0.3806 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 23.3719, 0.5476, 0.3806 by changing the saturation by 10% instead.


 23.3719, 0.5476,
0.3806


 23.3719, 0.5476,
0.3806


269.6294, 0.4234,
0.3682

 14.8684, 0.5766,
0.3765


 49.0033, 0.5029,
0.3809


 8.7270, 0.6128,
0.3677


 66.8999, 0.4858,
0.3795

 4.5636, 0.6529,
0.3471

 88.6963, 0.4713,
0.3776

 1.9936, 0.6942,
0.3058

 114.7769, 0.4588,
0.3757

 0.6037, 0.7684,
0.2316

 145.5262, 0.4481,
0.3737

 0.0000, 1.0000,
0.0000

 181.3284, 0.4388,

 0.0000, 0.0000,

0.3717

0.0000

222.5680, 0.4306,
0.3699

■ 23.3719, 0.5476,
0.3806

■ 23.3719, 0.5476,
0.3806

■ 20.8539, 0.5769,
0.3739

■ 26.4837, 0.5132,
0.3824


■ 19.5162, 0.5925,
0.3677

■ 30.2251, 0.4770,
0.3799

■ 34.6329, 0.4419,
0.3741

■ 39.7398, 0.4098,
0.3664

■ 45.5759, 0.3814,
0.3577

 52.1696, 0.3569,
0.3488

 59.5477, 0.3360,
0.3401

 67.7356, 0.3183,
0.3318

 76.7574, 0.3034,
0.3241

Harmonies

Analogous

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



23.3719, 0.5230, 0.3054



23.3719, 0.5476, 0.3806



23.3719, 0.4956, 0.4638

Triad

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



23.3719, 0.5476, 0.3806



23.3719, 0.1963, 0.4478



23.3719, 0.1931, 0.1616

Complementary

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



23.3719, 0.5476, 0.3806



30.6429, 0.2034, 0.2388

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.



23.3719, 0.1392, 0.1655



23.3719, 0.5476, 0.3806



23.3719, 0.1372, 0.3004

Square

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



23.3719, 0.5476, 0.3806



23.3719, 0.2941, 0.5551



23.3719, 0.1210, 0.2059



23.3719, 0.2895, 0.1868

Rectangle

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



23.3719, 0.5476, 0.3806



23.3719, 0.4358, 0.5188



23.3719, 0.1210, 0.2059



23.3719, 0.1707, 0.1595

Sweetspot

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



23.3732, 0.5476, 0.3806



72.0182, 0.3607, 0.3503



18.9001, 0.4002, 0.2084



14.6960, 0.3692, 0.3534



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.



23.3732, 0.5476, 0.3806



27.3230, 0.5940, 0.3666



50.0811, 0.4435, 0.4728



13.7333, 0.3284, 0.3366



11.7474, 0.5898, 0.3699



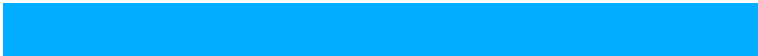
0.9144, 0.5578, 0.3953

Inverse Universe

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



30.6429, 0.2034, 0.2388



37.0351, 0.1939, 0.2178



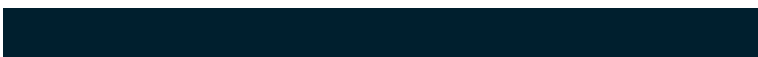
9.8166, 0.1675, 0.1049



14.0851, 0.2982, 0.3213



15.8749, 0.1946, 0.2207



1.1820, 0.2001, 0.2404

Previews

White Background



This preview shows how the Yxy color 23.3719, 0.5476, 0.3806 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 23.3719, 0.5476, 0.3806 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 23.3719, 0.5476, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 23.3719, 0.5476, 0.3806.



This preview shows how white text looks on a background with the Yxy color 23.3719, 0.5476, 0.3806.

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

23.3719, 0.5476, 0.3806

Protanopia

23.6370, 0.4193, 0.4629

Deuteranopia

23.3045, 0.4652, 0.4564



Tritanopia

23.3431, 0.4907, 0.3230

Trichromacy



Original Color

23.3719, 0.5476, 0.3806

Protanomaly

22.5988, 0.4689, 0.4309

Deuteranomaly

22.9054, 0.4988, 0.4260

Tritanomaly

23.1922, 0.5162, 0.3471

Monochromacy



Original Color

23.3719, 0.5476, 0.3806

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1959, 0.4012, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3719, 0.5476, 0.3806 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(219, 95, 36)` looks like.

```
.text, #text, p{  
    color:rgb(219, 95, 36)  
}
```

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(219, 95, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 95, 36) }
```

Border

The CSS property to change the border of an element to Yxy 23.3719, 0.5476, 0.3806 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(219, 95, 36) }
```

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

```
.border{ border-color:rgb(219, 95, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 95, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 95, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 95, 36);  
box-shadow:4px 4px 4px 4px rgb(219, 95,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3719, 0.5476, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 95, 36) }
```

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

```
.background{ background-color: rgb(219, 95,  
36) }
```

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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