

Converting Colors

$Y_{xy}(24.0303, 0.5293, 0.4094)$

Have a look what the booklet for
Yxy(24.0303, 0.5293, 0.4094)
contains.

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Color

Yxy(23.8940, 0.5295, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	CE6C13
RGB	206, 108, 19
RGB Percent	81%, 42%, 7%
CMY	0.1921, 0.5764, 0.9259
CMYK	0.00, 0.48, 0.91, 0.19
HSL	29°, 83%, 44%
HSV	29°, 91%, 81%
XYZ	30.9337, 23.8940, 3.5929
YIQ	127.1560, 86.9770, -6.9030

Conversions

Conversions Part 2

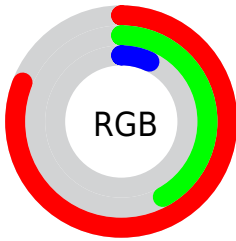
Format	Color
R _Y B	206, 189, 19
Decimal	13528083
CIE Lab	55.98, 33.66, 59.96
CIE LCh	56, 68.761, 60.688
Yxy	23.8940, 0.5295, 0.4090
Android (android.graphics.Color)	4291718163 (0xFFCE6C13)
YUV	127.1560, -53.3209, 69.1462
Hunter-Lab	48.8815, 27.4176, 29.8591

Details

The Yxy color **23.8940, 0.5295, 0.4090** 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 **17.2912, 0.1853, 0.1804**, and the grayscale version is **21.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2577, 0.4789, 0.4096**, and **9.0459, 0.5664, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **21.8781, 0.5488, 0.4025**, and if you desaturate by 10%, it is **26.4170, 0.5049, 0.4117**.

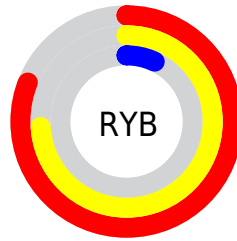
Distribution



Red (81%)

Green (42%)

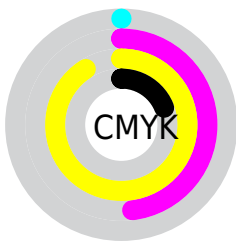
Blue (7%)



Red (81%)

Yellow (74%)

Blue (7%)

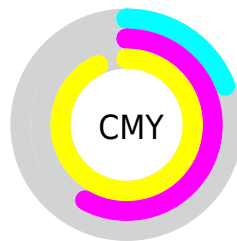


Cyan (0%)

Magenta (48%)

Yellow (91%)

Black (19%)



Cyan (19%)

Magenta (58%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8940, 0.5295, 0.4090 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 23.8940, 0.5295, 0.4090 by changing the saturation by 10% instead.


 23.8940, 0.5295,
0.4090


 23.8940, 0.5295,
0.4090


272.2841, 0.4175,
0.3814


 15.2550, 0.5541,
0.4083


 49.8572, 0.4903,
0.4039


 8.9986, 0.5874,
0.4061


 67.9501, 0.4748,
0.4004

 4.7402, 0.6133,
0.3867

 89.9632, 0.4616,
0.3968

 2.0957, 0.6467,
0.3533

 116.2808, 0.4503,
0.3933

 0.6622, 0.7086,
0.2914

 147.2873, 0.4404,
0.3900

 0.0000, 1.0000,
0.0000

 183.3671, 0.4318,

 0.0000, 0.0000,

0.3869

0.0000

224.9046, 0.4242,
0.3840

23.8940, 0.5295,
0.4090

23.8940, 0.5295,
0.4090

21.8781, 0.5488,
0.4025

26.4170, 0.5049,
0.4117

29.3045, 0.4773,
0.4090

32.5774, 0.4487,
0.4020

36.2535, 0.4207,
0.3919

40.3488, 0.3944,
0.3800

■ 44.8784, 0.3704,
0.3672

■ 49.8566, 0.3491,
0.3543

■ 55.2966, 0.3303,
0.3418

■ 61.2114, 0.3140,
0.3299

Harmonies

Analogous

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



23.8940, 0.5337, 0.3327



23.8940, 0.5295, 0.4090



23.8940, 0.4623, 0.4903

Triad

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



23.8940, 0.5295, 0.4090



23.8940, 0.1752, 0.3908



23.8940, 0.2254, 0.1720

Complementary

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



23.8940, 0.5295, 0.4090



17.2912, 0.1853, 0.1804

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.



23.8940, 0.1585, 0.1654



23.8940, 0.5295, 0.4090



23.8940, 0.1326, 0.2630

Square

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



23.8940, 0.5295, 0.4090



23.8940, 0.2599, 0.5207



23.8940, 0.1289, 0.1914



23.8940, 0.3328, 0.2061

Rectangle

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



23.8940, 0.5295, 0.4090



23.8940, 0.3989, 0.5359



23.8940, 0.1289, 0.1914



23.8940, 0.1985, 0.1666

Sweetspot

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



23.8953, 0.5295, 0.4090



75.4434, 0.3627, 0.3627



14.9088, 0.4631, 0.2381



15.5689, 0.3703, 0.3672



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.



23.8953, 0.5295, 0.4090



35.0431, 0.5507, 0.4009



54.3690, 0.4228, 0.4978



12.0803, 0.3278, 0.3401



13.6632, 0.5464, 0.4043



0.8565, 0.5152, 0.4291

Inverse Universe

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



17.2912, 0.1853, 0.1804



24.1474, 0.1785, 0.1626



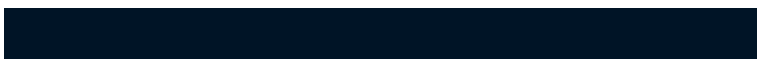
5.2947, 0.1550, 0.0698



11.8000, 0.2983, 0.3177



9.5298, 0.1798, 0.1671



0.6430, 0.1893, 0.2013

Previews

White Background



This preview shows how the Yxy color 23.8940, 0.5295, 0.4090 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 23.8940, 0.5295, 0.4090 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 23.8940, 0.5295, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 23.8940, 0.5295, 0.4090.



This preview shows how white text looks on a background with the Yxy color 23.8940, 0.5295, 0.4090.

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

23.8940, 0.5295, 0.4090

Protanopia

24.0825, 0.4325, 0.4776

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.9454, 0.4509, 0.3208

Trichromacy



Original Color

23.8940, 0.5295, 0.4090

Protanomaly

23.5038, 0.4703, 0.4509

Deuteranomaly

23.7574, 0.4930, 0.4436

Tritanomaly

23.8323, 0.4901, 0.3620

Monochromacy



Original Color

23.8940, 0.5295, 0.4090

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2054, 0.3994, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8940, 0.5295, 0.4090 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(206, 108, 19)` looks like.

```
.text, #text, p{  
    color:rgb(206, 108, 19)  
}
```

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(206, 108, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 108, 19) }
```

Border

The CSS property to change the border of an element to Yxy 23.8940, 0.5295, 0.4090 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(206, 108, 19) }
```

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

```
.border{ border-color:rgb(206, 108, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 108, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 108, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 108, 19);  
box-shadow:4px 4px 4px 4px rgb(206, 108,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8940, 0.5295, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 108, 19) }
```

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

```
.background{ background-color: rgb(206,  
108, 19) }
```

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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