

Converting Colors

$Y_{xy}(19.8012, 0.5881, 0.3713)$

Have a look what the booklet for
Yxy(19.8012, 0.5881, 0.3713)
contains.

Yxy(19.8030, 0.5880, 0.3713)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.8030, 0.5880, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	DA4A00
RGB	218, 74, 0
RGB Percent	85%, 29%, 0%
CMY	0.1451, 0.7097, 0.9998
CMYK	0.00, 0.66, 1.00, 0.15
HSL	20°, 100%, 43%
HSV	20°, 100%, 85%
XYZ	31.3605, 19.8030, 2.1707
YIQ	108.6200, 109.5780, 7.5140

Conversions

Conversions Part 2

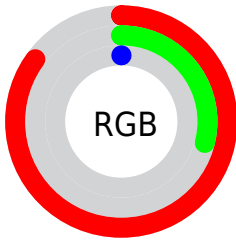
Format	Color
RYB	218, 112, 0
Decimal	14305792
CIELab	51.61, 54.06, 62.34
CIELCh	52, 82.522, 49.069
Yxy	19.8030, 0.5880, 0.3713
Android (android.graphics.Color)	4292495872 (0xFFDA4A00)
YUV	108.6200, -53.5497, 95.9263
Hunter-Lab	44.5006, 47.9169, 28.2583

Details

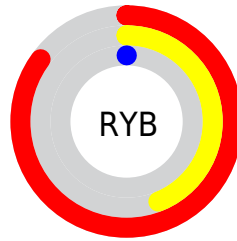
The Yxy color **19.8030, 0.5880, 0.3713** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.0138, 0.1924, 0.2127**, and the grayscale version is **15.3145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2974, 0.5190, 0.3877**, and **6.9569, 0.6377, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **19.8000, 0.5880, 0.3713**, and if you desaturate by 10%, it is **22.0098, 0.5630, 0.3803**.

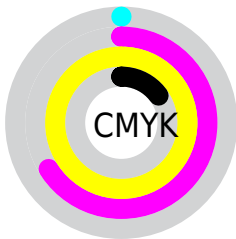
Distribution



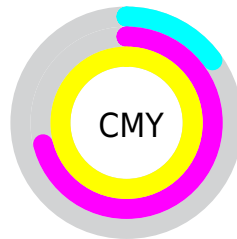
- Red (85%)
- Green (29%)
- Blue (0%)



- Red (85%)
- Yellow (44%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (15%)





- Cyan (15%)
- Magenta (71%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8030, 0.5880, 0.3713 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 19.8030, 0.5880, 0.3713 by changing the saturation by 10% instead.


 19.8030, 0.5880,
0.3713


 19.8030, 0.5880,
0.3713


250.8466, 0.4439,
0.3712


 12.2519, 0.6196,
0.3610


 43.0867, 0.5378,
0.3787


 6.9155, 0.6572,
0.3428


 59.5880, 0.5179,
0.3791


 3.4093, 0.6927,
0.3073

 79.8416, 0.5008,
0.3785

 1.3490, 0.7451,
0.2549

 104.2318, 0.4861,
0.3774

 0.1787, 0.9034,
0.0966

 133.1430, 0.4734,
0.3760


 0.0000, 1.0000,
0.0000


 166.9596, 0.4623,


 0.0000, 0.0000,

0.3744

0.0000

 206.0660, 0.4525,
0.3728


 19.8030, 0.5880,
0.3713

 19.8030, 0.5880,
0.3713


 19.8000, 0.5880,
0.3713

 22.0098, 0.5630,
0.3803

 24.7478, 0.5321,
0.3851

 28.0646, 0.4974,
0.3850

 31.9957, 0.4622,
0.3807

 36.5730, 0.4287,
0.3737

■ 41.8259, 0.3984,
0.3651

■ 47.7821, 0.3718,
0.3558

■ 54.4674, 0.3489,
0.3465

■ 61.9061, 0.3293,
0.3375

Harmonies

Analogous

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



19.8030, 0.5643, 0.2915



19.8030, 0.5880, 0.3713



19.8030, 0.5196, 0.4673

Triad

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



19.8030, 0.5880, 0.3713



19.8030, 0.1733, 0.4844



19.8030, 0.1697, 0.1370

Complementary

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



19.8030, 0.5880, 0.3713



25.0138, 0.1924, 0.2127

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.



19.8030, 0.1133, 0.1407



19.8030, 0.5880, 0.3713



19.8030, 0.1096, 0.2936

Square

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



19.8030, 0.5880, 0.3713



19.8030, 0.2833, 0.6137



19.8030, 0.0942, 0.1835



19.8030, 0.2780, 0.1635

Rectangle

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



19.8030, 0.5880, 0.3713



19.8030, 0.4467, 0.5390



19.8030, 0.0942, 0.1835



19.8030, 0.1459, 0.1347

Sweetspot

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



19.8042, 0.5880, 0.3713



67.9015, 0.3725, 0.3561



16.9599, 0.4287, 0.2136



13.7361, 0.3834, 0.3601



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.



19.8042, 0.5880, 0.3713



28.0037, 0.5896, 0.3701



48.2236, 0.4525, 0.4789



13.7703, 0.3283, 0.3370



12.0428, 0.5854, 0.3734



0.9368, 0.5537, 0.3986

Inverse Universe

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



25.0138, 0.1924, 0.2127



35.3918, 0.1921, 0.2116



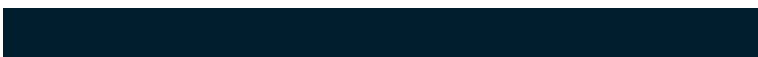
6.3461, 0.1537, 0.0734



14.0464, 0.2982, 0.3209



15.1909, 0.1929, 0.2146



1.1414, 0.1987, 0.2354

Previews

White Background



This preview shows how the Yxy color 19.8030, 0.5880, 0.3713 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 19.8030, 0.5880, 0.3713 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 19.8030, 0.5880, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 19.8030, 0.5880, 0.3713.



This preview shows how white text looks on a background with the Yxy color 19.8030, 0.5880, 0.3713.

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

19.8030, 0.5880, 0.3713

Protanopia

19.9661, 0.4320, 0.4789

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.7974, 0.5357, 0.3259

Trichromacy



Original Color

19.8030, 0.5880, 0.3713

Protanomaly

18.6674, 0.4976, 0.4343

Deuteranomaly

18.8911, 0.5217, 0.4240

Tritanomaly

19.7638, 0.5663, 0.3502

Monochromacy



Original Color

19.8030, 0.5880, 0.3713

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.1850, 0.4362, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8030, 0.5880, 0.3713 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(218, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 74, 0)  
}
```

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(218, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 74, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8030, 0.5880, 0.3713 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(218, 74, 0) }
```

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

```
.border{ border-color:rgb(218, 74, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 74, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8030, 0.5880, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 74, 0) }
```

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

```
.background{ background-color: rgb(218, 74,  
0) }
```

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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