

Converting Colors

$Y_{xy}(20.0962, 0.5412, 0.4085)$

Have a look what the booklet for
Yxy(20.0962, 0.5412, 0.4085)
contains.

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Color

Yxy(20.0187, 0.5412, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	C26100
RGB	194, 97, 0
RGB Percent	76%, 38%, 0%
CMY	0.2392, 0.6196, 1.0000
CMYK	0.00, 0.50, 1.00, 0.24
HSL	30°, 100%, 38%
HSV	30°, 100%, 76%
XYZ	26.5217, 20.0187, 2.4650
YIQ	114.9450, 88.9490, -9.6030

Conversions

Conversions Part 2

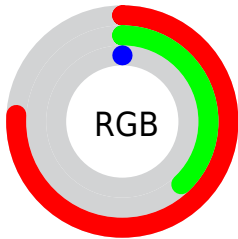
Format	Color
RYB	194, 194, 0
Decimal	12738816
CIELab	51.86, 34.24, 60.42
CIELCh	52, 69.446, 60.460
Yxy	20.0187, 0.5412, 0.4085
Android (android.graphics.Color)	4290928896 (0xFFC26100)
YUV	114.9450, -56.6679, 69.3312
Hunter-Lab	44.7423, 27.5099, 28.0531

Details

The Yxy color **20.0187, 0.5412, 0.4085** 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 **12.4413, 0.1770, 0.1572**, and the grayscale version is **17.2830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1138, 0.4978, 0.4058**, and **7.1005, 0.5758, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **20.0199, 0.5412, 0.4085**, and if you desaturate by 10%, it is **21.9717, 0.5208, 0.4147**.

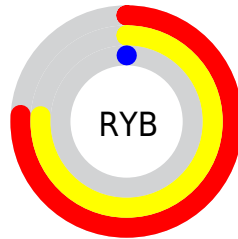
Distribution



Red (76%)

Green (38%)

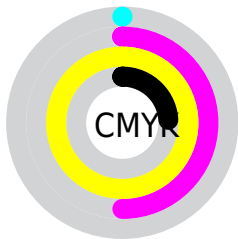
Blue (0%)



Red (76%)

Yellow (76%)

Blue (0%)

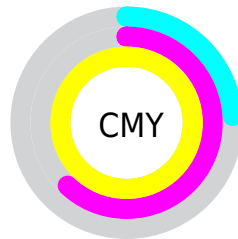


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0187, 0.5412, 0.4085 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 20.0187, 0.5412, 0.4085 by changing the saturation by 10% instead.


 20.0187, 0.5412,
0.4085


 20.0187, 0.5412,
0.4085


252.0163, 0.4213,
0.3825


 12.4086, 0.5673,
0.4058


 43.4485, 0.4991,
0.4051


 7.0226, 0.6011,
0.3989


 60.0371, 0.4826,
0.4017


 3.4762, 0.6273,
0.3727

 80.3873, 0.4684,
0.3982

 1.3851, 0.6686,
0.3314

 104.8835, 0.4562,
0.3947


 0.2057, 0.8356,
0.1644


 133.9101, 0.4457,
0.3913


 0.0000, 0.0000,
0.0000


 167.8515, 0.4365,

0.3882


 207.0921, 0.4284,
0.3853


 20.0187, 0.5412,
0.4085


 20.0187, 0.5412,
0.4085

 20.0199, 0.5412,
0.4085

 21.9717, 0.5208,
0.4147

 24.1986, 0.4970,
0.4161

 26.7248, 0.4706,
0.4124

 29.5660, 0.4431,
0.4046

 32.7363, 0.4162,
0.3937

■ 36.2484, 0.3909,
0.3811

■ 40.1143, 0.3678,
0.3678

■ 44.3453, 0.3471,
0.3544

■ 48.9519, 0.3288,
0.3413

Harmonies

Analogous

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



20.0187, 0.5477, 0.3296



20.0187, 0.5412, 0.4085



20.0187, 0.4683, 0.4955

Triad

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



20.0187, 0.5412, 0.4085



20.0187, 0.1669, 0.3959



20.0187, 0.2192, 0.1640

Complementary

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



20.0187, 0.5412, 0.4085



12.4413, 0.1770, 0.1572

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.



20.0187, 0.1503, 0.1572



20.0187, 0.5412, 0.4085



20.0187, 0.1234, 0.2580

Square

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



20.0187, 0.5412, 0.4085



20.0187, 0.2552, 0.5376



20.0187, 0.1200, 0.1835



20.0187, 0.3325, 0.1992

Rectangle

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



20.0187, 0.5412, 0.4085



20.0187, 0.4009, 0.5470



20.0187, 0.1200, 0.1835



20.0187, 0.1913, 0.1585

Sweetspot

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



20.0199, 0.5412, 0.4085



72.3336, 0.3688, 0.3684



12.3316, 0.4966, 0.2510



15.1660, 0.3785, 0.3742



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.



20.0199, 0.5412, 0.4085



35.7632, 0.5435, 0.4066



50.0497, 0.4193, 0.5053



10.8914, 0.3277, 0.3405



13.3274, 0.5391, 0.4101



0.7137, 0.5055, 0.4368

Inverse Universe

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



12.4413, 0.1770, 0.1572



22.0318, 0.1763, 0.1545



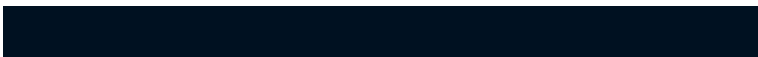
3.8948, 0.1500, 0.0600



10.5613, 0.2984, 0.3172



8.3443, 0.1777, 0.1595



0.4984, 0.1889, 0.2002

Previews

White Background



This preview shows how the Yxy color 20.0187, 0.5412, 0.4085 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 20.0187, 0.5412, 0.4085 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 20.0187, 0.5412, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 20.0187, 0.5412, 0.4085.



This preview shows how white text looks on a background with the Yxy color 20.0187, 0.5412, 0.4085.

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

20.0187, 0.5412, 0.4085

Protanopia

20.2832, 0.4344, 0.4827

Deuteranopia

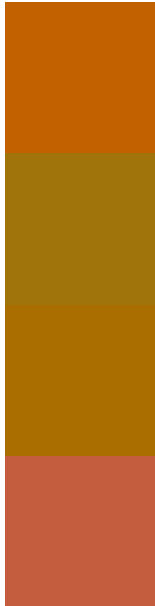
20.1250, 0.4705, 0.4646



Tritanopia

20.0272, 0.4627, 0.3218

Trichromacy



Original Color

20.0187, 0.5412, 0.4085

Protanomaly

19.7592, 0.4757, 0.4544

Deuteranomaly

19.6979, 0.4980, 0.4428

Tritanomaly

19.9014, 0.5075, 0.3670

Monochromacy



Original Color

20.0187, 0.5412, 0.4085

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1355, 0.4119, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0187, 0.5412, 0.4085 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(194, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 97, 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(194, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0187, 0.5412, 0.4085 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(194, 97, 0) }
```

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

```
.border{ border-color:rgb(194, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0187, 0.5412, 0.4085$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 97, 0) }
```

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

```
.background{ background-color: rgb(194, 97,  
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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