

Converting Colors

$Y_{xy}(22.5162, 0.5187, 0.4264)$

Have a look what the booklet for
Yxy(22.5162, 0.5187, 0.4264)
contains.

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Color

Yxy(22.5753, 0.5183, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	C06F00
RGB	192, 111, 0
RGB Percent	75%, 44%, 0%
CMY	0.2471, 0.5647, 1.0000
CMYK	0.00, 0.42, 1.00, 0.25
HSL	35°, 100%, 38%
HSV	35°, 100%, 75%
XYZ	27.4216, 22.5753, 2.9099
YIQ	122.5650, 83.9070, -17.3490

Conversions

Conversions Part 2

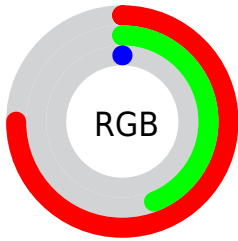
Format	Color
R_{YB}	140, 192, 0
Decimal	12611328
CIE _{Lab}	54.63, 25.94, 61.98
CIE _{LCh}	55, 67.192, 67.294
Yxy	22.5753, 0.5183, 0.4267
Android (android.graphics.Color)	4290801408 (0xFFC06F00)
YUV	122.5650, -60.4245, 60.8945
Hunter-Lab	47.5135, 19.8695, 29.6283

Details

The Yxy color **22.5753, 0.5183, 0.4267** 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 **9.6884, 0.1701, 0.1323**, and the grayscale version is **19.8395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6586, 0.4818, 0.4178**, and **8.3508, 0.5453, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **22.5767, 0.5183, 0.4267**, and if you desaturate by 10%, it is **24.4728, 0.5013, 0.4310**.

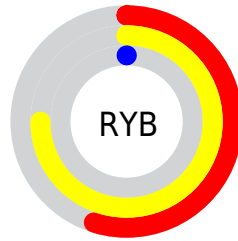
Distribution



Red (75%)

Green (44%)

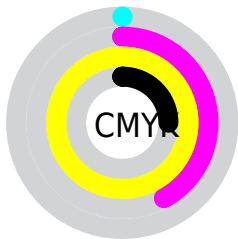
Blue (0%)



Red (55%)

Yellow (75%)

Blue (0%)

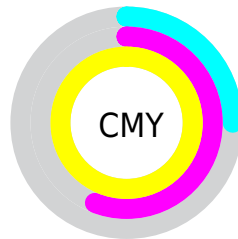


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5753, 0.5183, 0.4267 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 22.5753, 0.5183, 0.4267 by changing the saturation by 10% instead.


 22.5753, 0.5183,
0.4267


 22.5753, 0.5183,
0.4267


265.5361, 0.4129,
0.3890


 14.2802, 0.5405,
0.4281


 47.6950, 0.4819,
0.4181

 8.3158, 0.5710,
0.4290


 65.2885, 0.4674,
0.4131


 4.2977, 0.5899,
0.4101

 86.7501, 0.4549,
0.4083

 1.8414, 0.6195,
0.3805

 112.4645, 0.4441,
0.4038

 0.5128, 0.6921,
0.3079

 142.8158, 0.4347,
0.3996

 0.0000, 1.0000,
0.0000


 178.1886, 0.4265,


 0.0000, 0.0000,

0.3958


0.0000

 218.9672, 0.4193,
0.3922


 22.5753, 0.5183,
0.4267


 22.5753, 0.5183,
0.4267


 22.5767, 0.5183,
0.4267

 24.4728, 0.5013,
0.4310

 26.5804, 0.4813,
0.4306

 28.9204, 0.4587,
0.4253

 31.5051, 0.4348,
0.4157

 34.3455, 0.4108,
0.4032

■ 37.4516, 0.3876,
0.3888

■ 40.8326, 0.3660,
0.3735

■ 44.4971, 0.3463,
0.3582

■ 48.4532, 0.3285,
0.3432

Harmonies

Analogous

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



22.5753, 0.5389, 0.3490



22.5753, 0.5183, 0.4267



22.5753, 0.4422, 0.5066

Triad

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



22.5753, 0.5183, 0.4267



22.5753, 0.1625, 0.3588



22.5753, 0.2460, 0.1776

Complementary

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



22.5753, 0.5183, 0.4267



9.6884, 0.1701, 0.1323

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.



22.5753, 0.1702, 0.1649



22.5753, 0.5183, 0.4267



22.5753, 0.1293, 0.2428

Square

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



22.5753, 0.5183, 0.4267



22.5753, 0.2388, 0.4973



22.5753, 0.1331, 0.1829



22.5753, 0.3602, 0.2174

Rectangle

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



22.5753, 0.5183, 0.4267



22.5753, 0.3762, 0.5452



22.5753, 0.1331, 0.1829



22.5753, 0.2161, 0.1703

Sweetspot

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



22.5767, 0.5183, 0.4267



73.6843, 0.3670, 0.3743



11.8335, 0.5247, 0.2664



15.2380, 0.3760, 0.3808



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.5767, 0.5183, 0.4267



40.4003, 0.5202, 0.4251



47.3043, 0.4077, 0.5145



11.0233, 0.3275, 0.3423



15.3493, 0.5167, 0.4280



0.7972, 0.4894, 0.4496

Inverse Universe

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



9.6884, 0.1701, 0.1323



17.0831, 0.1693, 0.1295



3.8896, 0.1520, 0.0611



10.4307, 0.2984, 0.3153



6.6667, 0.1707, 0.1346



0.4243, 0.1831, 0.1793

Previews

White Background



This preview shows how the Yxy color 22.5753, 0.5183, 0.4267 looks on a white background.

Color Contrast Check

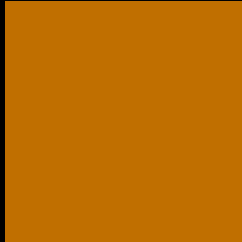
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5753, 0.5183, 0.4267 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 22.5753, 0.5183, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 22.5753, 0.5183, 0.4267.



This preview shows how white text looks on a background with the Yxy color 22.5753, 0.5183, 0.4267.

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

22.5753, 0.5183, 0.4267

Protanopia

22.8329, 0.4358, 0.4842

Deuteranopia

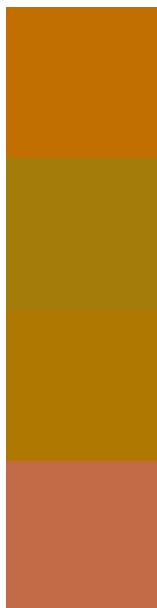
22.7742, 0.4705, 0.4646



Tritanopia

22.5840, 0.4302, 0.3187

Trichromacy



Original Color

22.5753, 0.5183, 0.4267

Protanomaly

22.3297, 0.4672, 0.4622

Deuteranomaly

22.5469, 0.4878, 0.4509

Tritanomaly

22.3651, 0.4806, 0.3732

Monochromacy



Original Color

22.5753, 0.5183, 0.4267

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0396, 0.4018, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5753, 0.5183, 0.4267 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(192, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 111, 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(192, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.5753, 0.5183, 0.4267 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(192, 111, 0) }
```

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

```
.border{ border-color:rgb(192, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 111,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5753, 0.5183, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 111, 0) }
```

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

```
.background{ background-color: rgb(192,  
111, 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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