

Converting Colors

$Y_{xy}(22.6116, 0.5341, 0.4040)$

Have a look what the booklet for
Yxy(22.6116, 0.5341, 0.4040)
contains.

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Color

Yxy(22.5884, 0.5344, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	CC6714
RGB	204, 103, 20
RGB Percent	80%, 40%, 8%
CMY	0.2000, 0.5961, 0.9218
CMYK	0.00, 0.50, 0.90, 0.20
HSL	27°, 82%, 44%
HSV	27°, 90%, 80%
XYZ	29.8793, 22.5884, 3.4442
YIQ	123.7370, 86.8390, -4.4010

Conversions

Conversions Part 2

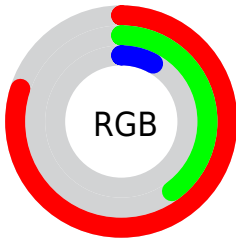
Format	Color
RYB	204, 171, 20
Decimal	13395732
CIELab	54.65, 35.47, 58.55
CIElCh	55, 68.456, 58.795
Yxy	22.5884, 0.5344, 0.4040
Android (android.graphics.Color)	4291585812 (0xFFCC6714)
YUV	123.7370, -51.1423, 70.3907
Hunter-Lab	47.5273, 29.0462, 28.9725

Details

The Yxy color **22.5884, 0.5344, 0.4040** 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 **18.1697, 0.1879, 0.1895**, and the grayscale version is **20.2143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2107, 0.4844, 0.4038**, and **8.3858, 0.5743, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **20.5028, 0.5560, 0.3967**, and if you desaturate by 10%, it is **25.0731, 0.5084, 0.4068**.

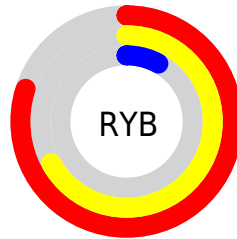
Distribution



Red (80%)

Green (40%)

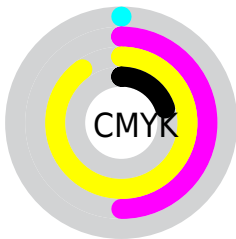
Blue (8%)



Red (80%)

Yellow (67%)

Blue (8%)

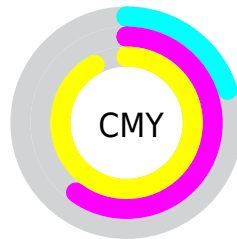


Cyan (0%)

Magenta (50%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (60%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5884, 0.5344, 0.4040 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 22.5884, 0.5344, 0.4040 by changing the saturation by 10% instead.


 22.5884, 0.5344,
0.4040


 22.5884, 0.5344,
0.4040


265.6038, 0.4185,
0.3791

 14.2899, 0.5603,
0.4024


 47.7166, 0.4934,
0.4000

 8.3226, 0.5965,
0.3995


 65.3151, 0.4775,
0.3968


 4.3020, 0.6230,
0.3770

 86.7823, 0.4638,
0.3935

 1.8439, 0.6599,
0.3401

 112.5027, 0.4521,
0.3903

 0.5143, 0.7403,
0.2597

 142.8606, 0.4420,
0.3872

 0.0000, 1.0000,
0.0000


 178.2406, 0.4331,

 0.0000, 0.0000,


0.3843


0.0000

 219.0268, 0.4254,
0.3816


 22.5884, 0.5344,
0.4040


 22.5884, 0.5344,
0.4040


 20.5028, 0.5560,
0.3967

 25.0731, 0.5084,
0.4068

 27.9392, 0.4794,
0.4044

 31.2086, 0.4496,
0.3977

 34.8999, 0.4207,
0.3881

 39.0302, 0.3938,
0.3767

■ 43.6152, 0.3696,
0.3645

■ 48.6702, 0.3481,
0.3523

■ 54.2091, 0.3293,
0.3404

■ 60.2455, 0.3131,
0.3292

Harmonies

Analogous

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



22.5884, 0.5340, 0.3276



22.5884, 0.5344, 0.4040



22.5884, 0.4690, 0.4865

Triad

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



22.5884, 0.5344, 0.4040



22.5884, 0.1776, 0.4010



22.5884, 0.2188, 0.1691

Complementary

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



22.5884, 0.5344, 0.4040



18.1697, 0.1879, 0.1895

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.



22.5884, 0.1540, 0.1643



22.5884, 0.5344, 0.4040



22.5884, 0.1321, 0.2684

Square

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



22.5884, 0.5344, 0.4040



22.5884, 0.2652, 0.5295



22.5884, 0.1263, 0.1927



22.5884, 0.3251, 0.2018

Rectangle

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



22.5884, 0.5344, 0.4040



22.5884, 0.4056, 0.5347



22.5884, 0.1263, 0.1927



22.5884, 0.1926, 0.1643

Sweetspot

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



22.5896, 0.5344, 0.4040



74.5503, 0.3631, 0.3610



14.7214, 0.4555, 0.2344



15.3596, 0.3709, 0.3652



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.



22.5896, 0.5344, 0.4040



33.5377, 0.5581, 0.3951



51.8305, 0.4252, 0.4953



12.0334, 0.3279, 0.3395



13.0845, 0.5537, 0.3986



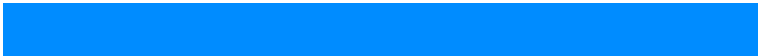
0.8259, 0.5209, 0.4246

Inverse Universe

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



18.1697, 0.1879, 0.1895



25.9554, 0.1809, 0.1713



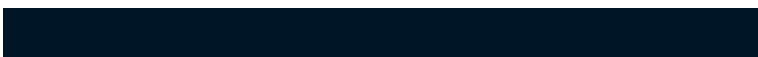
5.3940, 0.1559, 0.0723



11.8473, 0.2983, 0.3183



10.2183, 0.1821, 0.1756



0.6775, 0.1912, 0.2083

Previews

White Background



This preview shows how the Yxy color 22.5884, 0.5344, 0.4040 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 22.5884, 0.5344, 0.4040 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 22.5884, 0.5344, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 22.5884, 0.5344, 0.4040.



This preview shows how white text looks on a background with the Yxy color 22.5884, 0.5344, 0.4040.

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

22.5884, 0.5344, 0.4040

Protanopia

22.8823, 0.4309, 0.4769

Deuteranopia

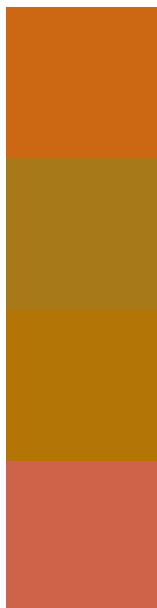
22.7742, 0.4705, 0.4646



Tritanopia

22.6104, 0.4593, 0.3209

Trichromacy



Original Color

22.5884, 0.5344, 0.4040

Protanomaly

22.0698, 0.4709, 0.4487

Deuteranomaly

22.4412, 0.4958, 0.4412

Tritanomaly

22.5265, 0.4967, 0.3595

Monochromacy



Original Color

22.5884, 0.5344, 0.4040

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9350, 0.4009, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5884, 0.5344, 0.4040 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(204, 103, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 103, 20)  
}
```

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(204, 103, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 103, 20) }
```

Border

The CSS property to change the border of an element to Yxy 22.5884, 0.5344, 0.4040 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(204, 103, 20) }
```

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

```
.border{ border-color:rgb(204, 103, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 103, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 103, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 103, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 103,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5884, 0.5344, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 103, 20) }
```

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

```
.background{ background-color: rgb(204,  
103, 20) }
```

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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