

Converting Colors

$Y_{xy}(22.3385, 0.5120, 0.4002)$

Have a look what the booklet for
Yxy(22.3385, 0.5120, 0.4002)
contains.

Yxy(22.3385, 0.5120, 0.4002)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3385, 0.5120, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	C56A29
RGB	197, 106, 41
RGB Percent	77%, 42%, 16%
CMY	0.2275, 0.5843, 0.8393
CMYK	0.00, 0.46, 0.79, 0.23
HSL	25°, 66%, 47%
HSV	25°, 79%, 77%
XYZ	28.5790, 22.3385, 4.9009
YIQ	125.7990, 75.1010, -0.9230

Conversions

Conversions Part 2

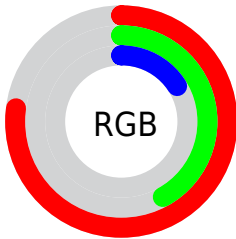
Format	Color
R_{YB}	197, 152, 41
Decimal	12937769
CIE Lab	54.38, 31.59, 50.21
CIE LCh	54, 59.320, 57.824
Yxy	22.3385, 0.5120, 0.4002
Android (android.graphics.Color)	4291127849 (0xFFC56A29)
YUV	125.7990, -41.8059, 62.4433
Hunter-Lab	47.2636, 25.2226, 26.9366

Details

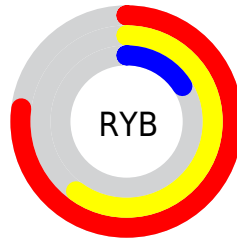
The Yxy color **22.3385, 0.5120, 0.4002** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.9936, 0.2002, 0.2185**, and the grayscale version is **20.9180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4691, 0.4700, 0.3946**, and **8.2446, 0.5611, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **20.0234, 0.5400, 0.3974**, and if you desaturate by 10%, it is **25.0420, 0.4812, 0.3980**.

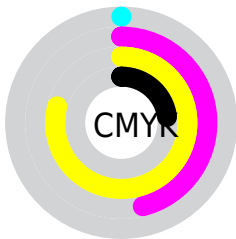
Distribution



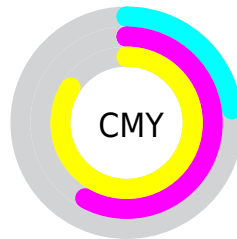
- Red (77%)
- Green (42%)
- Blue (16%)



- Red (77%)
- Yellow (60%)
- Blue (16%)



- Cyan (0%)
- Magenta (46%)
- Yellow (79%)
- Black (23%)





- Cyan (23%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3385, 0.5120, 0.4002 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 22.3385, 0.5120, 0.4002 by changing the saturation by 10% instead.


 22.3385, 0.5120,
0.4002


 22.3385, 0.5120,
0.4002


264.3089, 0.4050,
0.3726


 14.1058, 0.5380,
0.4014


 47.3048, 0.4728,
0.3937

 8.1943, 0.5700,
0.3991


 64.8073, 0.4580,
0.3901

 4.2195, 0.6105,
0.3895

 86.1685, 0.4455,
0.3865

 1.7971, 0.6451,
0.3549

 111.7727, 0.4349,
0.3833

 0.4854, 0.7275,
0.2725

 142.0045, 0.4258,
0.3802

 0.0000, 1.0000,
0.0000

 177.2482, 0.4179,

 0.0000, 0.0000,

0.3775

0.0000

217.8882, 0.4110,
0.3749

■ 22.3385, 0.5120,
0.4002

■ 22.3385, 0.5120,
0.4002

■ 20.0234, 0.5400,
0.3974

■ 25.0420, 0.4812,
0.3980

■ 18.0648, 0.5637,
0.3898

■ 28.1512, 0.4499,
0.3917

■ 17.9216, 0.5656,
0.3891

■ 31.6862, 0.4199,
0.3826

■ 35.6644, 0.3924,
0.3719

■ 40.1021, 0.3678,
0.3607

■ 45.0147, 0.3463,
0.3494

■ 50.4167, 0.3276,
0.3385

■ 56.3221, 0.3115,
0.3282

■ 62.7442, 0.2977,
0.3187

Harmonies

Analogous

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



22.3385, 0.5054, 0.3296



22.3385, 0.5120, 0.4002



22.3385, 0.4589, 0.4722

Triad

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



22.3385, 0.5120, 0.4002



22.3385, 0.1961, 0.3961



22.3385, 0.2273, 0.1840

Complementary

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



22.3385, 0.5120, 0.4002



20.9936, 0.2002, 0.2185

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.



22.3385, 0.1684, 0.1812



22.3385, 0.5120, 0.4002



22.3385, 0.1513, 0.2813

Square

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



22.3385, 0.5120, 0.4002



22.3385, 0.2771, 0.5018



22.3385, 0.1436, 0.2101



22.3385, 0.3212, 0.2135

Rectangle

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



22.3385, 0.5120, 0.4002



22.3385, 0.4038, 0.5112



22.3385, 0.1436, 0.2101



22.3385, 0.2036, 0.1799

Sweetspot

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



22.3397, 0.5120, 0.4002



75.9712, 0.3570, 0.3552



15.1194, 0.4216, 0.2278



15.5929, 0.3650, 0.3593



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.



22.3397, 0.5120, 0.4002



33.2620, 0.5574, 0.3920



46.3077, 0.4236, 0.4835



11.3512, 0.3279, 0.3387



11.9453, 0.5633, 0.3909



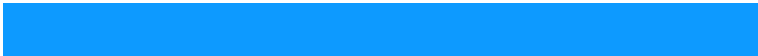
0.7080, 0.5262, 0.4204

Inverse Universe

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



20.9936, 0.2002, 0.2185



30.4218, 0.1871, 0.1912



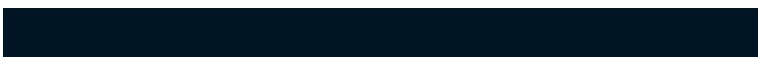
7.1381, 0.1686, 0.0978



11.2978, 0.2983, 0.3191



10.8670, 0.1855, 0.1878



0.6552, 0.1945, 0.2202

Previews

White Background



This preview shows how the Yxy color 22.3385, 0.5120, 0.4002 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 22.3385, 0.5120, 0.4002 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 22.3385, 0.5120, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 22.3385, 0.5120, 0.4002.



This preview shows how white text looks on a background with the Yxy color 22.3385, 0.5120, 0.4002.

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

22.3385, 0.5120, 0.4002

Protanopia

22.5570, 0.4173, 0.4591

Deuteranopia

22.4292, 0.4567, 0.4489



Tritanopia

22.2436, 0.4448, 0.3204

Trichromacy



Original Color

22.3385, 0.5120, 0.4002

Protanomaly

22.1079, 0.4536, 0.4369

Deuteranomaly

22.0863, 0.4786, 0.4297

Tritanomaly

22.2541, 0.4751, 0.3544

Monochromacy



Original Color

22.3385, 0.5120, 0.4002

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6953, 0.3860, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3385, 0.5120, 0.4002 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(197, 106, 41)` looks like.

```
.text, #text, p{  
    color:rgb(197, 106, 41)  
}
```

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(197, 106, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 106, 41) }
```

Border

The CSS property to change the border of an element to Yxy 22.3385, 0.5120, 0.4002 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(197, 106, 41) }
```

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

```
.border{ border-color:rgb(197, 106, 41) }
```

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

Here you see how a box with a 4 pixel rgb(197, 106, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 106, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 106, 41);  
box-shadow:4px 4px 4px 4px rgb(197, 106,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3385, 0.5120, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 106, 41) }
```

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

```
.background{ background-color: rgb(197,  
106, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor