

Converting Colors

$Y_{xy}(21.4730, 0.5205, 0.4184)$

Have a look what the booklet for
Yxy(21.4730, 0.5205, 0.4184)
contains.

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Color

Yxy(21.4161, 0.5211, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	BF6A0E
RGB	191, 106, 14
RGB Percent	75%, 42%, 5%
CMY	0.2510, 0.5843, 0.9454
CMYK	0.00, 0.44, 0.93, 0.25
HSL	31°, 86%, 40%
HSV	31°, 93%, 75%
XYZ	26.7176, 21.4161, 3.1378
YIQ	120.9270, 80.1920, -10.5920

Conversions

Conversions Part 2

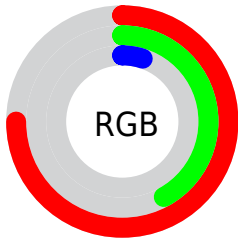
Format	Color
RYB	178, 191, 14
Decimal	12544526
CIELab	53.40, 28.39, 58.34
CIELCh	53, 64.881, 64.053
Yxy	21.4161, 0.5211, 0.4177
Android (android.graphics.Color)	4290734606 (0xFFBF6A0E)
YUV	120.9270, -52.7150, 61.4540
Hunter-Lab	46.2775, 22.0684, 28.3742

Details

The Yxy color **21.4161, 0.5211, 0.4177** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.7584, 0.1804, 0.1640**, and the grayscale version is **19.2478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7913, 0.4826, 0.4102**, and **7.7515, 0.5550, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **20.0623, 0.5351, 0.4133**, and if you desaturate by 10%, it is **23.4872, 0.4993, 0.4202**.

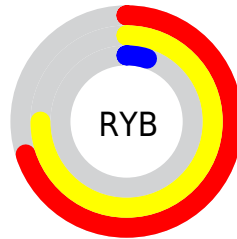
Distribution



Red (75%)

Green (42%)

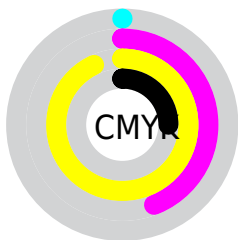
Blue (5%)



Red (70%)

Yellow (75%)

Blue (5%)

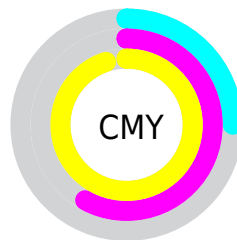


Cyan (0%)

Magenta (44%)

Yellow (93%)

Black (25%)



Cyan (25%)


Magenta (58%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4161, 0.5211, 0.4177 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 21.4161, 0.5211, 0.4177 by changing the saturation by 10% instead.


 21.4161, 0.5211,
0.4177


 21.4161, 0.5211,
0.4177


259.4816, 0.4119,
0.3838


 13.4285, 0.5452,
0.4185


 45.7790, 0.4826,
0.4102


 7.7243, 0.5805,
0.4195


 62.9231, 0.4675,
0.4057


 3.9190, 0.6018,
0.3982

 83.8882, 0.4546,
0.4014

 1.6284, 0.6354,
0.3646

 109.0586, 0.4436,
0.3973

 0.3766, 0.7394,
0.2606

 138.8188, 0.4340,
0.3934

 0.0000, 0.0000,
0.0000

 173.5530, 0.4257,

0.3899

213.6459, 0.4184,
0.3867

21.4161, 0.5211,
0.4177

21.4161, 0.5211,
0.4177

20.0623, 0.5351,
0.4133

23.4872, 0.4993,
0.4202

25.8259, 0.4744,
0.4173

28.4479, 0.4480,
0.4100

31.3665, 0.4217,
0.3994

34.5935, 0.3965,
0.3867

■ 38.1398, 0.3732,
0.3730

■ 42.0158, 0.3521,
0.3591

■ 46.2312, 0.3334,
0.3454

■ 50.7954, 0.3168,
0.3324

Harmonies

Analogous

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



21.4161, 0.5329, 0.3415



21.4161, 0.5211, 0.4177



21.4161, 0.4508, 0.4968

Triad

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



21.4161, 0.5211, 0.4177



21.4161, 0.1709, 0.3737



21.4161, 0.2371, 0.1768

Complementary

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



21.4161, 0.5211, 0.4177



12.7584, 0.1804, 0.1640

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.



21.4161, 0.1664, 0.1673



21.4161, 0.5211, 0.4177



21.4161, 0.1333, 0.2540

Square

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



21.4161, 0.5211, 0.4177



21.4161, 0.2505, 0.5053



21.4161, 0.1333, 0.1891



21.4161, 0.3463, 0.2135

Rectangle

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



21.4161, 0.5211, 0.4177



21.4161, 0.3871, 0.5376



21.4161, 0.1333, 0.1891



21.4161, 0.2090, 0.1705

Sweetspot

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



21.4172, 0.5211, 0.4177



71.2057, 0.3639, 0.3670



12.2978, 0.4855, 0.2497



14.9866, 0.3734, 0.3731



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.



21.4172, 0.5211, 0.4177



35.4443, 0.5374, 0.4115



47.9870, 0.4152, 0.5049



10.3351, 0.3276, 0.3409



13.3478, 0.5332, 0.4149



0.6532, 0.4989, 0.4421

Inverse Universe

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



12.7584, 0.1804, 0.1640



19.8612, 0.1745, 0.1481



4.1910, 0.1540, 0.0659



9.9605, 0.2984, 0.3168



7.6237, 0.1759, 0.1531



0.4297, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 21.4161, 0.5211, 0.4177 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 21.4161, 0.5211, 0.4177 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 21.4161, 0.5211, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 21.4161, 0.5211, 0.4177.



This preview shows how white text looks on a background with the Yxy color 21.4161, 0.5211, 0.4177.

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

21.4161, 0.5211, 0.4177

Protanopia

21.4218, 0.4340, 0.4803

Deuteranopia

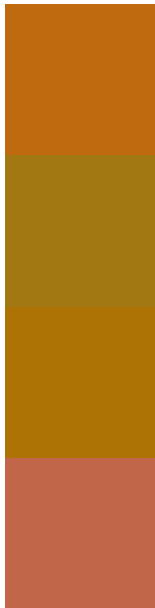
21.6004, 0.4703, 0.4648



Tritanopia

21.5664, 0.4389, 0.3201

Trichromacy



Original Color

21.4161, 0.5211, 0.4177

Protanomaly

21.0537, 0.4671, 0.4569

Deuteranomaly

21.3860, 0.4905, 0.4462

Tritanomaly

21.4531, 0.4812, 0.3660

Monochromacy



Original Color

21.4161, 0.5211, 0.4177

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2110, 0.3965, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4161, 0.5211, 0.4177 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(191, 106, 14)` looks like.

```
.text, #text, p{  
    color:rgb(191, 106, 14)  
}
```

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(191, 106, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 106, 14) }
```

Border

The CSS property to change the border of an element to Yxy 21.4161, 0.5211, 0.4177 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(191, 106, 14) }
```

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

```
.border{ border-color:rgb(191, 106, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 106, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 106, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 106, 14);  
box-shadow:4px 4px 4px 4px rgb(191, 106,  
14) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.4161, 0.5211, 0.4177$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 106, 14) }
```

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

```
.background{ background-color: rgb(191,  
106, 14) }
```

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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