

Converting Colors

$Y_{xy}(21.6661, 0.5132, 0.4227)$

Have a look what the booklet for
Yxy(21.6661, 0.5132, 0.4227)
contains.

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Color

Yxy(21.6661, 0.5132, 0.4227)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BC6D10 |
| RGB | 188, 109, 16 |
| RGB Percent | 74%, 43%, 6% |
| CMY | 0.2627, 0.5726, 0.9373 |
| CMYK | 0.00, 0.42, 0.91, 0.26 |
| HSL | 32°, 84%, 40% |
| HSV | 32°, 91%, 74% |
| XYZ | 26.3048, 21.6661, 3.2855 |
| YIQ | 122.0190, 76.9370, -12.1750 |

Conversions

Conversions Part 2

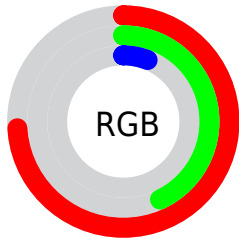
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 162, 188, 16 |
| Decimal | 12348688 |
| CIE Lab | 53.67, 25.53, 57.86 |
| CIE LCh | 54, 63.240, 66.188 |
| Yxy | 21.6661, 0.5132, 0.4227 |
| Android (android.graphics.Color) | 4290538768 (0xFFBC6D10) |
| YUV | 122.0190, -52.2674, 57.8653 |
| Hunter-Lab | 46.5469, 19.4179, 28.3978 |

Details

The Yxy color **21.6661, 0.5132, 0.4227** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.9305, 0.1797, 0.1601**, and the grayscale version is **19.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2816, 0.4768, 0.4137**, and **7.8988, 0.5463, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **20.1268, 0.5290, 0.4182**, and if you desaturate by 10%, it is **23.6842, 0.4919, 0.4240**.

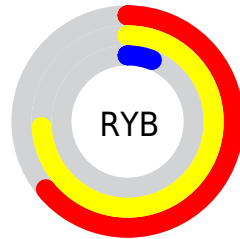
Distribution



Red (74%)

Green (43%)

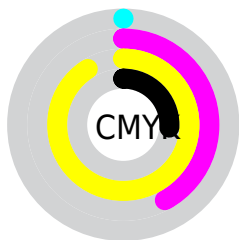
Blue (6%)



Red (64%)

Yellow (74%)

Blue (6%)

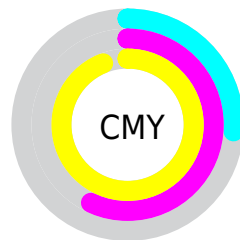


Cyan (0%)

Magenta (42%)

Yellow (91%)

Black (26%)



Cyan (26%)


Magenta (57%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6661, 0.5132, 0.4227 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 21.6661, 0.5132, 0.4227 by changing the saturation by 10% instead.


 21.6661, 0.5132,
0.4227

 21.6661, 0.5132,
0.4227


260.7976, 0.4083,
0.3851


 13.6118, 0.5364,
0.4248


 46.1935, 0.4762,
0.4135

 7.8511, 0.5709,
0.4284


 63.4354, 0.4617,
0.4085


 3.9998, 0.5907,
0.4093

 84.5085, 0.4493,
0.4037

 1.6735, 0.6213,
0.3787

 109.7974, 0.4387,
0.3993

 0.4064, 0.7153,
0.2847

 139.6863, 0.4295,
0.3952

 0.0000, 0.0000,
0.0000

 174.5597, 0.4215,

0.3915

214.8020, 0.4145,
0.3882

21.6661, 0.5132,
0.4227

21.6661, 0.5132,
0.4227

20.1268, 0.5290,
0.4182

23.6842, 0.4919,
0.4240

25.9471, 0.4678,
0.4201

28.4689, 0.4423,
0.4118

31.2614, 0.4169,
0.4004

34.3352, 0.3925,
0.3871

■ 37.7003, 0.3699,
0.3728

■ 41.3657, 0.3495,
0.3584

■ 45.3404, 0.3312,
0.3443

■ 49.6325, 0.3150,
0.3309

Harmonies

Analogous

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



21.6661, 0.5288, 0.3474



21.6661, 0.5132, 0.4227



21.6661, 0.4425, 0.4987

Triad

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



21.6661, 0.5132, 0.4227



21.6661, 0.1705, 0.3630



21.6661, 0.2456, 0.1818

Complementary

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



21.6661, 0.5132, 0.4227



11.9305, 0.1797, 0.1601

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.



21.6661, 0.1733, 0.1705



21.6661, 0.5132, 0.4227



21.6661, 0.1360, 0.2502

Square

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



21.6661, 0.5132, 0.4227



21.6661, 0.2462, 0.4922



21.6661, 0.1382, 0.1898



21.6661, 0.3541, 0.2196

Rectangle

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



21.6661, 0.5132, 0.4227



21.6661, 0.3795, 0.5350



21.6661, 0.1382, 0.1898



21.6661, 0.2171, 0.1749

Sweetspot

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



21.6672, 0.5132, 0.4227



70.9333, 0.3614, 0.3670



11.9139, 0.4886, 0.2525



14.7776, 0.3686, 0.3719



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.6672, 0.5132, 0.4227



35.9716, 0.5312, 0.4164



45.9918, 0.4122, 0.5064



10.3677, 0.3275, 0.3414



13.8505, 0.5273, 0.4196



0.6720, 0.4948, 0.4454

Inverse Universe

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



11.9305, 0.1797, 0.1601



18.2704, 0.1726, 0.1415



4.1698, 0.1556, 0.0676



9.9281, 0.2984, 0.3163



7.1887, 0.1741, 0.1465



0.4125, 0.1869, 0.1928

Previews

White Background



This preview shows how the Yxy color 21.6661, 0.5132, 0.4227 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



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 21.6661, 0.5132, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 21.6661, 0.5132, 0.4227.



This preview shows how white text looks on a background with the Yxy color 21.6661, 0.5132, 0.4227.

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

21.6661, 0.5132, 0.4227

Protanopia

21.7782, 0.4335, 0.4799

Deuteranopia

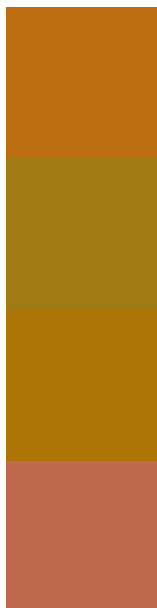
21.7056, 0.4715, 0.4638



Tritanopia

21.6180, 0.4295, 0.3185

Trichromacy



Original Color

21.6661, 0.5132, 0.4227

Protanomaly

21.5466, 0.4635, 0.4584

Deuteranomaly

21.5064, 0.4876, 0.4480

Tritanomaly

21.4850, 0.4733, 0.3670

Monochromacy



Original Color

21.6661, 0.5132, 0.4227

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4581, 0.3945, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6661, 0.5132, 0.4227 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(188, 109, 16)` looks like.

```
.text, #text, p{  
    color:rgb(188, 109, 16)  
}
```

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(188, 109, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 109, 16) }
```

Border

The CSS property to change the border of an element to Yxy 21.6661, 0.5132, 0.4227 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(188, 109, 16) }
```

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

```
.border{ border-color:rgb(188, 109, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 109, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 109, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 109, 16);  
box-shadow:4px 4px 4px 4px rgb(188, 109,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6661, 0.5132, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 109, 16) }
```

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

```
.background{ background-color: rgb(188,  
109, 16) }
```

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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