

Converting Colors

$Y_{xy}(21.1756, 0.5067, 0.4128)$

Have a look what the booklet for
Yxy(21.1756, 0.5067, 0.4128)
contains.

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Color

Yxy(21.1900, 0.5066, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	BB6B21
RGB	187, 107, 33
RGB Percent	73%, 42%, 13%
CMY	0.2667, 0.5803, 0.8707
CMYK	0.00, 0.43, 0.82, 0.27
HSL	29°, 70%, 43%
HSV	29°, 82%, 73%
XYZ	26.0239, 21.1900, 4.1558
YIQ	122.4840, 71.4340, -6.0540

Conversions

Conversions Part 2

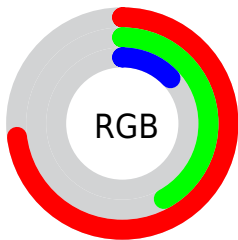
Format	Color
RYB	187, 175, 33
Decimal	12282657
CIELab	53.16, 26.58, 51.90
CIElCh	53, 58.310, 62.876
Yxy	21.1900, 0.5066, 0.4125
Android (android.graphics.Color)	4290472737 (0xFFBB6B21)
YUV	122.4840, -44.1156, 56.5805
Hunter-Lab	46.0326, 20.3554, 26.8701

Details

The Yxy color **21.1900, 0.5066, 0.4125** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.7120, 0.1927, 0.1953**, and the grayscale version is **19.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3928, 0.4686, 0.4036**, and **7.6153, 0.5496, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **19.2012, 0.5304, 0.4094**, and if you desaturate by 10%, it is **23.4666, 0.4796, 0.4103**.

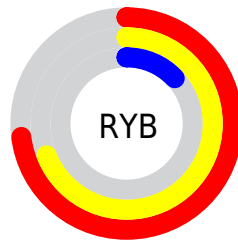
Distribution



Red (73%)

Green (42%)

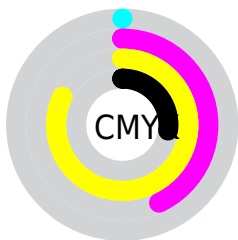
Blue (13%)



Red (73%)

Yellow (69%)

Blue (13%)

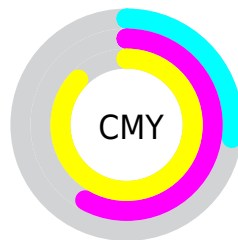


Cyan (0%)

Magenta (43%)

Yellow (82%)

Black (27%)



Cyan (27%)


Magenta (58%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1900, 0.5066, 0.4125 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 21.1900, 0.5066, 0.4125 by changing the saturation by 10% instead.


 21.1900, 0.5066,
0.4125


 21.1900, 0.5066,
0.4125


258.2865, 0.4026,
0.3780


 13.2630, 0.5313,
0.4151


 45.4035, 0.4688,
0.4035


 7.6099, 0.5638,
0.4161


 62.4588, 0.4544,
0.3989


 3.8463, 0.5958,
0.4042

 83.3256, 0.4422,
0.3946

 1.5880, 0.6283,
0.3717

 108.3884, 0.4319,
0.3906

 0.3495, 0.7389,
0.2611

 138.0314, 0.4230,
0.3869

 0.0000, 0.0000,
0.0000

 172.6392, 0.4153,

0.3836

212.5961, 0.4086,
0.3807

21.1900, 0.5066,
0.4125

21.1900, 0.5066,
0.4125

19.2012, 0.5304,
0.4094

23.4666, 0.4796,
0.4103

17.8563, 0.5465,
0.4043

26.0433, 0.4514,
0.4037

28.9350, 0.4236,
0.3938

32.1545, 0.3973,
0.3820

35.7135, 0.3733,
0.3693

■ 39.6232, 0.3518,
0.3564

■ 43.8941, 0.3329,
0.3437

■ 48.5362, 0.3163,
0.3317

■ 53.5589, 0.3019,
0.3205

Harmonies

Analogous

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



21.1900, 0.5117, 0.3411



21.1900, 0.5066, 0.4125



21.1900, 0.4461, 0.4834

Triad

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



21.1900, 0.5066, 0.4125



21.1900, 0.1857, 0.3751



21.1900, 0.2408, 0.1871

Complementary

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



21.1900, 0.5066, 0.4125



15.7120, 0.1927, 0.1953

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.



21.1900, 0.1757, 0.1796



21.1900, 0.5066, 0.4125



21.1900, 0.1475, 0.2659

Square

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



21.1900, 0.5066, 0.4125



21.1900, 0.2617, 0.4887



21.1900, 0.1455, 0.2025



21.1900, 0.3396, 0.2208

Rectangle

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



21.1900, 0.5066, 0.4125



21.1900, 0.3884, 0.5181



21.1900, 0.1455, 0.2025



21.1900, 0.2150, 0.1816

Sweetspot

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



21.1911, 0.5066, 0.4125



68.7747, 0.3581, 0.3603



12.8909, 0.4429, 0.2365



14.6000, 0.3657, 0.3649



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.



21.1911, 0.5066, 0.4125



31.8141, 0.5470, 0.4032



44.0706, 0.4186, 0.4924



10.2727, 0.3277, 0.3401



12.4476, 0.5446, 0.4058



0.6186, 0.5070, 0.4357

Inverse Universe

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



15.7120, 0.1927, 0.1953



21.6121, 0.1788, 0.1632



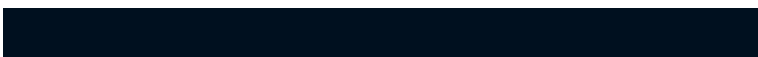
5.3041, 0.1631, 0.0841



10.0229, 0.2984, 0.3177



8.5223, 0.1795, 0.1662



0.4642, 0.1913, 0.2085

Previews

White Background



This preview shows how the Yxy color 21.1900, 0.5066, 0.4125 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 21.1900, 0.5066, 0.4125 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 21.1900, 0.5066, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 21.1900, 0.5066, 0.4125.



This preview shows how white text looks on a background with the Yxy color 21.1900, 0.5066, 0.4125.

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

21.1900, 0.5066, 0.4125

Protanopia

21.4179, 0.4239, 0.4680

Deuteranopia

21.3309, 0.4617, 0.4531



Tritanopia

21.2522, 0.4319, 0.3198

Trichromacy



Original Color

21.1900, 0.5066, 0.4125

Protanomaly

20.9312, 0.4554, 0.4468

Deuteranomaly

21.1255, 0.4781, 0.4383

Tritanomaly

21.2268, 0.4667, 0.3598

Monochromacy



Original Color

21.1900, 0.5066, 0.4125

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5718, 0.3856, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1900, 0.5066, 0.4125 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(187, 107, 33)` looks like.

```
.text, #text, p{  
    color:rgb(187, 107, 33)  
}
```

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(187, 107, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 107, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.1900, 0.5066, 0.4125 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(187, 107, 33) }
```

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

```
.border{ border-color:rgb(187, 107, 33) }
```

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

Here you see how a box with a 4 pixel rgb(187, 107, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 107, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 107, 33);  
box-shadow:4px 4px 4px 4px rgb(187, 107,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1900, 0.5066, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 107, 33) }
```

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

```
.background{ background-color: rgb(187,  
107, 33) }
```

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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