

Converting Colors

$Y_{xy}(21.1485, 0.5130, 0.4309)$

Have a look what the booklet for
Yxy(21.1485, 0.5130, 0.4309)
contains.

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Color

Yxy(21.1276, 0.5138, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	B86D00
RGB	184, 109, 0
RGB Percent	72%, 43%, 0%
CMY	0.2785, 0.5725, 0.9997
CMYK	0.00, 0.41, 1.00, 0.28
HSL	36°, 100%, 36%
HSV	36°, 100%, 72%
XYZ	25.2333, 21.1276, 2.7502
YIQ	118.9990, 79.6890, -17.9990

Conversions

Conversions Part 2

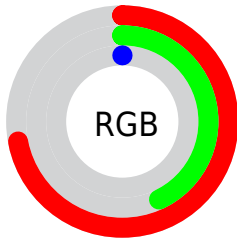
Format	Color
RYB	127, 184, 0
Decimal	12086528
CIELab	53.09, 23.56, 60.44
CIELCh	53, 64.866, 68.706
Yxy	21.1276, 0.5138, 0.4302
Android (android.graphics.Color)	4290276608 (0xFFB86D00)
YUV	118.9990, -58.6665, 57.0059
Hunter-Lab	45.9648, 17.5528, 28.6278

Details

The Yxy color **21.1276, 0.5138, 0.4302** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.4995, 0.1691, 0.1287**, and the grayscale version is **18.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2839, 0.4770, 0.4206**, and **7.6975, 0.5393, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **21.1215, 0.5139, 0.4302**, and if you desaturate by 10%, it is **22.8432, 0.4973, 0.4339**.

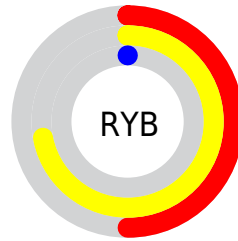
Distribution



Red (72%)

Green (43%)

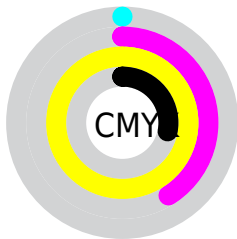
Blue (0%)



Red (50%)

Yellow (72%)

Blue (0%)

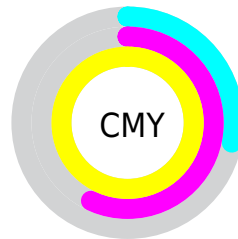


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1276, 0.5138, 0.4302 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 21.1276, 0.5138, 0.4302 by changing the saturation by 10% instead.


 21.1276, 0.5138,
0.4302


 21.1276, 0.5138,
0.4302


257.9558, 0.4096,
0.3894


 13.2173, 0.5359,
0.4324


 45.2998, 0.4776,
0.4203


 7.5784, 0.5661,
0.4339


 62.3305, 0.4632,
0.4149

 3.8264, 0.5846,
0.4154

 83.1701, 0.4509,
0.4097

 1.5769, 0.6144,
0.3856

 108.2030, 0.4402,
0.4049

 0.3420, 0.7250,
0.2750

 137.8137, 0.4310,
0.4004

 0.0000, 0.0000,
0.0000

 172.3864, 0.4230,

0.3964

212.3057, 0.4159,
0.3928

21.1276, 0.5138,
0.4302

21.1276, 0.5138,
0.4302

21.1215, 0.5139,
0.4302

22.8432, 0.4973,
0.4339

24.7400, 0.4780,
0.4331

26.8380, 0.4561,
0.4273

29.1479, 0.4328,
0.4174

31.6792, 0.4094,
0.4046

■ 34.4406, 0.3867,
0.3899

■ 37.4401, 0.3655,
0.3743

■ 40.6851, 0.3460,
0.3587

■ 44.1827, 0.3284,
0.3435

Harmonies

Analogous

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



21.1276, 0.5370, 0.3528



21.1276, 0.5138, 0.4302



21.1276, 0.4370, 0.5085

Triad

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



21.1276, 0.5138, 0.4302



21.1276, 0.1617, 0.3521



21.1276, 0.2515, 0.1804

Complementary

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



21.1276, 0.5138, 0.4302



8.4995, 0.1691, 0.1287

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.



21.1276, 0.1743, 0.1664



21.1276, 0.5138, 0.4302



21.1276, 0.1305, 0.2400

Square

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



21.1276, 0.5138, 0.4302



21.1276, 0.2355, 0.4894



21.1276, 0.1357, 0.1828



21.1276, 0.3656, 0.2210

Rectangle

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



21.1276, 0.5138, 0.4302



21.1276, 0.3713, 0.5442



21.1276, 0.1357, 0.1828



21.1276, 0.2211, 0.1726

Sweetspot

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



21.1287, 0.5138, 0.4302



67.5758, 0.3666, 0.3752



10.7217, 0.5308, 0.2698



14.0682, 0.3753, 0.3817



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.1287, 0.5138, 0.4302



37.8141, 0.5158, 0.4286



42.6715, 0.4048, 0.5168



9.8726, 0.3273, 0.3425



14.7015, 0.5124, 0.4314



0.6366, 0.4824, 0.4552

Inverse Universe

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



8.4995, 0.1691, 0.1287



14.9557, 0.1683, 0.1257



3.5667, 0.1527, 0.0615



9.3046, 0.2985, 0.3151



5.9858, 0.1697, 0.1308



0.3335, 0.1843, 0.1836

Previews

White Background



This preview shows how the Yxy color 21.1276, 0.5138, 0.4302 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 21.1276, 0.5138, 0.4302 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 21.1276, 0.5138, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 21.1276, 0.5138, 0.4302.



This preview shows how white text looks on a background with the Yxy color 21.1276, 0.5138, 0.4302.

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

21.1276, 0.5138, 0.4302

Protanopia

21.3993, 0.4364, 0.4838

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1029, 0.4245, 0.3182

Trichromacy



Original Color

21.1276, 0.5138, 0.4302

Protanomaly

21.0654, 0.4660, 0.4634

Deuteranomaly

21.1576, 0.4859, 0.4524

Tritanomaly

20.8951, 0.4763, 0.3753

Monochromacy



Original Color

21.1276, 0.5138, 0.4302

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.6229, 0.4007, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1276, 0.5138, 0.4302 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(184, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 109, 0)  
}
```

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(184, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1276, 0.5138, 0.4302 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(184, 109, 0) }
```

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

```
.border{ border-color:rgb(184, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1276, 0.5138, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 109, 0) }
```

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

```
.background{ background-color: rgb(184,  
109, 0) }
```

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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