

Converting Colors

$Y_{xy}(21.6536, 0.5107, 0.4296)$

Have a look what the booklet for
Yxy(21.6536, 0.5107, 0.4296)
contains.

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Color

Yxy(21.6963, 0.5102, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	B96F06
RGB	185, 111, 6
RGB Percent	73%, 44%, 2%
CMY	0.2745, 0.5647, 0.9770
CMYK	0.00, 0.40, 0.97, 0.27
HSL	35°, 94%, 37%
HSV	35°, 97%, 73%
XYZ	25.7250, 21.6963, 3.0001
YIQ	121.1560, 77.8090, -16.9670

Conversions

Conversions Part 2

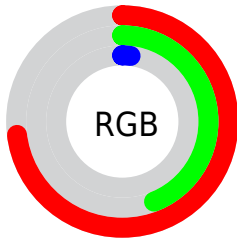
Format	Color
R_{YB}	132, 185, 6
Decimal	12152582
CIE Lab	53.70, 22.98, 59.77
CIE LCh	54, 64.037, 68.969
Yxy	21.6963, 0.5102, 0.4303
Android (android.graphics.Color)	4290342662 (0xFFB96F06)
YUV	121.1560, -56.7719, 55.9912
Hunter-Lab	46.5793, 17.0688, 28.7868

Details

The Yxy color **21.6963, 0.5102, 0.4303** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2576, 0.1719, 0.1361**, and the grayscale version is **19.3379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2046, 0.4741, 0.4201**, and **7.9906, 0.5360, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **21.1633, 0.5155, 0.4289**, and if you desaturate by 10%, it is **23.4919, 0.4929, 0.4332**.

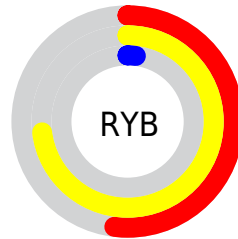
Distribution



Red (73%)

Green (44%)

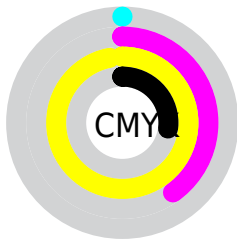
Blue (2%)



Red (52%)

Yellow (73%)

Blue (2%)

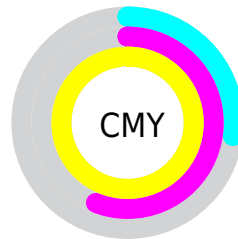


Cyan (0%)

Magenta (40%)

Yellow (97%)

Black (27%)



Cyan (27%)


Magenta (56%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6963, 0.5102, 0.4303 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 21.6963, 0.5102, 0.4303 by changing the saturation by 10% instead.


 21.6963, 0.5102,
0.4303


 21.6963, 0.5102,
0.4303

260.9562, 0.4079,
0.3889


 13.6339, 0.5321,
0.4331


 46.2435, 0.4745,
0.4199


 7.8665, 0.5634,
0.4366

 63.4972, 0.4604,
0.4143


 4.0096, 0.5811,
0.4189

 84.5833, 0.4483,
0.4091

 1.6790, 0.6093,
0.3907

 109.8865, 0.4379,
0.4043


 0.4100, 0.6997,
0.3003


 139.7909, 0.4289,
0.3999

 0.0000, 0.0000,
0.0000


 174.6811, 0.4210,

0.3958


 214.9414, 0.4140,
0.3922


 21.6963, 0.5102,
0.4303


 21.6963, 0.5102,
0.4303

 21.1633, 0.5155,
0.4289

 23.4919, 0.4929,
0.4332

 25.4837, 0.4724,
0.4309

 27.6866, 0.4497,
0.4238

 30.1109, 0.4260,
0.4130

 32.7663, 0.4025,
0.3996

■ 35.6613, 0.3801,
0.3846

■ 38.8039, 0.3593,
0.3691

■ 42.2018, 0.3403,
0.3537

■ 45.8620, 0.3233,
0.3387

Harmonies

Analogous

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



21.6963, 0.5328, 0.3539



21.6963, 0.5102, 0.4303



21.6963, 0.4350, 0.5064

Triad

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



21.6963, 0.5102, 0.4303



21.6963, 0.1640, 0.3508



21.6963, 0.2536, 0.1829

Complementary

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



21.6963, 0.5102, 0.4303



9.2576, 0.1719, 0.1361

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.



21.6963, 0.1771, 0.1689



21.6963, 0.5102, 0.4303



21.6963, 0.1332, 0.2414

Square

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



21.6963, 0.5102, 0.4303



21.6963, 0.2366, 0.4844



21.6963, 0.1385, 0.1850



21.6963, 0.3658, 0.2233

Rectangle

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



21.6963, 0.5102, 0.4303



21.6963, 0.3703, 0.5402



21.6963, 0.1385, 0.1850



21.6963, 0.2236, 0.1752

Sweetspot

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



21.6974, 0.5102, 0.4303



67.9638, 0.3646, 0.3732



11.0286, 0.5222, 0.2674



14.1368, 0.3734, 0.3798



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.



21.6974, 0.5102, 0.4303



37.4302, 0.5174, 0.4274



43.2665, 0.4046, 0.5153



9.8645, 0.3274, 0.3424



14.5561, 0.5139, 0.4302



0.6320, 0.4834, 0.4544

Inverse Universe

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



9.2576, 0.1719, 0.1361



15.1997, 0.1687, 0.1273



3.7873, 0.1545, 0.0641



9.3125, 0.2985, 0.3152



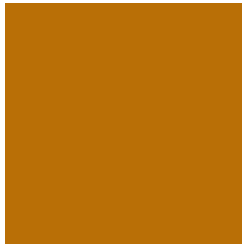
6.0805, 0.1701, 0.1325



0.3371, 0.1847, 0.1849

Previews

White Background



This preview shows how the Yxy color 21.6963, 0.5102, 0.4303 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 21.6963, 0.5102, 0.4303 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 21.6963, 0.5102, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 21.6963, 0.5102, 0.4303.



This preview shows how white text looks on a background with the Yxy color 21.6963, 0.5102, 0.4303.

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

21.6963, 0.5102, 0.4303

Protanopia

21.7547, 0.4360, 0.4836

Deuteranopia

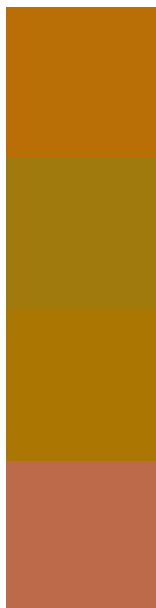
21.7056, 0.4715, 0.4638



Tritanopia

21.6670, 0.4216, 0.3183

Trichromacy



Original Color

21.6963, 0.5102, 0.4303

Protanomaly

21.4192, 0.4650, 0.4627

Deuteranomaly

21.6192, 0.4860, 0.4513

Tritanomaly

21.4805, 0.4704, 0.3729

Monochromacy



Original Color

21.6963, 0.5102, 0.4303

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2164, 0.3967, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6963, 0.5102, 0.4303 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(185, 111, 6)` looks like.

```
.text, #text, p{  
    color:rgb(185, 111, 6)  
}
```

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(185, 111, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 111, 6) }
```

Border

The CSS property to change the border of an element to Yxy 21.6963, 0.5102, 0.4303 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(185, 111, 6) }
```

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

```
.border{ border-color:rgb(185, 111, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 111, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 111, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 111, 6);  
box-shadow:4px 4px 4px 4px rgb(185, 111,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6963, 0.5102, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 111, 6) }
```

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

```
.background{ background-color: rgb(185,  
111, 6) }
```

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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