

Converting Colors

$Y_{xy}(21.6282, 0.5325, 0.4675)$

Have a look what the booklet for
Yxy(21.6282, 0.5325, 0.4675)
contains.

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Color

Yxy(21.9797, 0.5042, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	B67200
RGB	182, 114, 0
RGB Percent	71%, 45%, 0%
CMY	0.2863, 0.5529, 1.0000
CMYK	0.00, 0.37, 1.00, 0.29
HSL	38°, 100%, 36%
HSV	38°, 100%, 71%
XYZ	25.3075, 21.9797, 2.9062
YIQ	121.3360, 77.1220, -21.0380

Conversions

Conversions Part 2

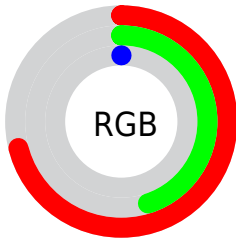
Format	Color
RYB	109, 182, 0
Decimal	11956736
CIELab	54.01, 19.92, 60.93
CIElCh	54, 64.102, 71.896
Yxy	21.9797, 0.5042, 0.4379
Android (android.graphics.Color)	4290146816 (0xFFB67200)
YUV	121.3360, -59.8186, 53.2023
Hunter-Lab	46.8825, 14.3112, 29.1424

Details

The Yxy color **21.9797, 0.5042, 0.4379** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5097, 0.1664, 0.1189**, and the grayscale version is **19.4149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7205, 0.4700, 0.4257**, and **8.1074, 0.5254, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **21.9810, 0.5042, 0.4379**, and if you desaturate by 10%, it is **23.6167, 0.4892, 0.4407**.

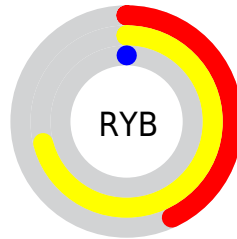
Distribution



Red (71%)

Green (45%)

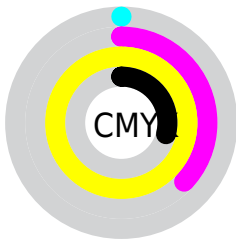
Blue (0%)



Red (43%)

Yellow (71%)

Blue (0%)

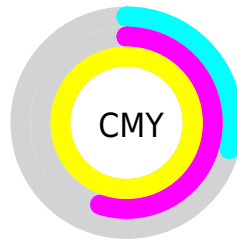


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9797, 0.5042, 0.4379 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 21.9797, 0.5042, 0.4379 by changing the saturation by 10% instead.


 21.9797, 0.5042,
0.4379


 21.9797, 0.5042,
0.4379


262.4402, 0.4059,
0.3921


 13.8420, 0.5247,
0.4419


 46.7124, 0.4703,
0.4258


 8.0108, 0.5534,
0.4466


 64.0763, 0.4568,
0.4197


 4.1019, 0.5688,
0.4312

 85.2842, 0.4451,
0.4139

 1.7307, 0.5936,
0.4064

 110.7208, 0.4351,
0.4087

 0.4434, 0.6722,
0.3278


 140.7702, 0.4263,
0.4039


 0.0000, 0.0000,
0.0000


 175.8170, 0.4186,

0.3996


 216.2456, 0.4119,
0.3957

 21.9797, 0.5042,
0.4379


 21.9797, 0.5042,
0.4379


 21.9810, 0.5042,
0.4379

 23.6167, 0.4892,
0.4407

 25.4100, 0.4715,
0.4392

 27.3787, 0.4512,
0.4327

 29.5325, 0.4294,
0.4221

 31.8801, 0.4072,
0.4086

■ 34.4291, 0.3854,
0.3932

■ 37.1867, 0.3648,
0.3768

■ 40.1595, 0.3457,
0.3604

■ 43.3537, 0.3283,
0.3443

Harmonies

Analogous

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



21.9797, 0.5332, 0.3611



21.9797, 0.5042, 0.4379



21.9797, 0.4258, 0.5124

Triad

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



21.9797, 0.5042, 0.4379



21.9797, 0.1596, 0.3379



21.9797, 0.2634, 0.1861

Complementary

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



21.9797, 0.5042, 0.4379



7.5097, 0.1664, 0.1189

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.



21.9797, 0.1831, 0.1694



21.9797, 0.5042, 0.4379



21.9797, 0.1327, 0.2340

Square

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



21.9797, 0.5042, 0.4379



21.9797, 0.2282, 0.4724



21.9797, 0.1412, 0.1823



21.9797, 0.3775, 0.2287

Rectangle

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



21.9797, 0.5042, 0.4379



21.9797, 0.3604, 0.5419



21.9797, 0.1412, 0.1823



21.9797, 0.2321, 0.1775

Sweetspot

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



21.9810, 0.5042, 0.4379



67.1604, 0.3658, 0.3777



10.3837, 0.5443, 0.2772



14.3608, 0.3743, 0.3846



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.



21.9810, 0.5042, 0.4379



39.3863, 0.5059, 0.4365



41.0061, 0.3990, 0.5214



9.9242, 0.3273, 0.3433



15.6545, 0.5029, 0.4389



0.6664, 0.4762, 0.4601

Inverse Universe

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



7.5097, 0.1664, 0.1189



13.1999, 0.1656, 0.1160



3.5392, 0.1543, 0.0623



9.2544, 0.2985, 0.3143



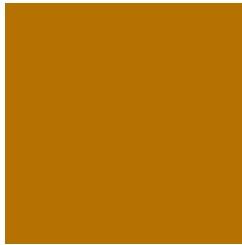
5.4220, 0.1670, 0.1210



0.3116, 0.1820, 0.1750

Previews

White Background



This preview shows how the Yxy color 21.9797, 0.5042, 0.4379 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 21.9797, 0.5042, 0.4379 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 21.9797, 0.5042, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 21.9797, 0.5042, 0.4379.



This preview shows how white text looks on a background with the Yxy color 21.9797, 0.5042, 0.4379.

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

21.9797, 0.5042, 0.4379

Protanopia

22.1053, 0.4365, 0.4846

Deuteranopia

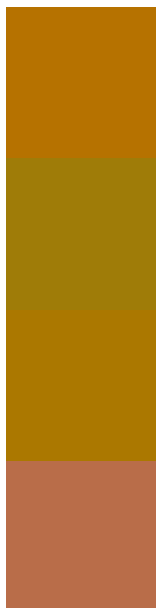
22.0584, 0.4711, 0.4641



Tritanopia

21.9621, 0.4118, 0.3180

Trichromacy



Original Color

21.9797, 0.5042, 0.4379

Protanomaly

21.8038, 0.4619, 0.4673

Deuteranomaly

22.0909, 0.4835, 0.4543

Tritanomaly

21.7326, 0.4640, 0.3779

Monochromacy



Original Color

21.9797, 0.5042, 0.4379

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3323, 0.3970, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9797, 0.5042, 0.4379 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(182, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 114, 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(182, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9797, 0.5042, 0.4379 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(182, 114, 0) }
```

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

```
.border{ border-color:rgb(182, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9797, 0.5042, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 114, 0) }
```

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

```
.background{ background-color: rgb(182,  
114, 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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