

Converting Colors

$Y_{xy}(21.5691, 0.5309, 0.4656)$

Have a look what the booklet for
Yxy(21.5691, 0.5309, 0.4656)
contains.

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Color

Yxy(21.6340, 0.5047, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	B57100
RGB	181, 113, 0
RGB Percent	71%, 44%, 0%
CMY	0.2902, 0.5569, 0.9995
CMYK	0.00, 0.38, 1.00, 0.29
HSL	37°, 100%, 36%
HSV	37°, 100%, 71%
XYZ	24.9627, 21.6340, 2.8638
YIQ	120.4500, 76.8010, -20.7270

Conversions

Conversions Part 2

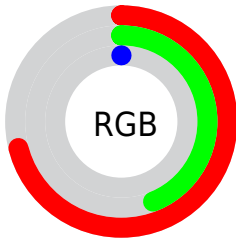
Format	Color
RYB	109, 181, 0
Decimal	11890944
CIELab	53.64, 20.04, 60.59
CIElCh	54, 63.814, 71.695
Yxy	21.6340, 0.5047, 0.4374
Android (android.graphics.Color)	4290081024 (0xFFB57100)
YUV	120.4500, -59.3819, 53.1023
Hunter-Lab	46.5124, 14.4024, 28.9082

Details

The Yxy color **21.6340, 0.5047, 0.4374** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4882, 0.1666, 0.1198**, and the grayscale version is **19.1157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1692, 0.4706, 0.4258**, and **7.9182, 0.5263, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **21.6236, 0.5048, 0.4374**, and if you desaturate by 10%, it is **23.2552, 0.4896, 0.4402**.

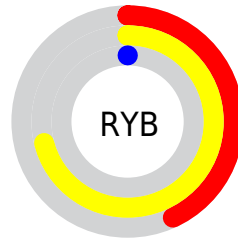
Distribution



Red (71%)

Green (44%)

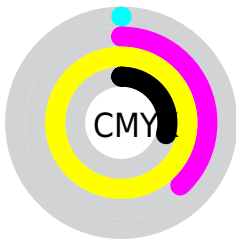
Blue (0%)



Red (43%)

Yellow (71%)

Blue (0%)

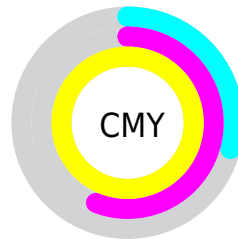


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6340, 0.5047, 0.4374 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 21.6340, 0.5047, 0.4374 by changing the saturation by 10% instead.


 21.6340, 0.5047,
0.4374


 21.6340, 0.5047,
0.4374


260.6289, 0.4059,
0.3918


 13.5882, 0.5254,
0.4413

 46.1403, 0.4705,
0.4254

 7.8348, 0.5542,
0.4458


 63.3697, 0.4569,
0.4193


 3.9894, 0.5700,
0.4300

 84.4290, 0.4452,
0.4135

 1.6677, 0.5954,
0.4046

 109.7027, 0.4351,
0.4083

 0.4026, 0.6842,
0.3158

 139.5751, 0.4263,
0.4035

 0.0000, 0.0000,
0.0000

 174.4307, 0.4186,

0.3992

214.6538, 0.4119,
0.3953

21.6340, 0.5047,
0.4374

21.6340, 0.5047,
0.4374

21.6236, 0.5048,
0.4374

23.2552, 0.4896,
0.4402

25.0325, 0.4718,
0.4387

26.9844, 0.4514,
0.4322

29.1206, 0.4294,
0.4217

31.4496, 0.4071,
0.4082

■ 33.9791, 0.3853,
0.3928

■ 36.7162, 0.3647,
0.3765

■ 39.6673, 0.3456,
0.3601

■ 42.8388, 0.3282,
0.3441

Harmonies

Analogous

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



21.6340, 0.5333, 0.3606



21.6340, 0.5047, 0.4374



21.6340, 0.4265, 0.5121

Triad

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



21.6340, 0.5047, 0.4374



21.6340, 0.1598, 0.3388



21.6340, 0.2627, 0.1858

Complementary

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



21.6340, 0.5047, 0.4374



7.4882, 0.1666, 0.1198

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.



21.6340, 0.1826, 0.1693



21.6340, 0.5047, 0.4374



21.6340, 0.1326, 0.2344

Square

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



21.6340, 0.5047, 0.4374



21.6340, 0.2287, 0.4733



21.6340, 0.1409, 0.1824



21.6340, 0.3767, 0.2283

Rectangle

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



21.6340, 0.5047, 0.4374



21.6340, 0.3611, 0.5420



21.6340, 0.1409, 0.1824



21.6340, 0.2315, 0.1773

Sweetspot

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



21.6351, 0.5047, 0.4374



65.4618, 0.3658, 0.3775



10.2628, 0.5440, 0.2771



13.7014, 0.3742, 0.3843



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.6351, 0.5047, 0.4374



38.2739, 0.5066, 0.4360



40.5136, 0.3990, 0.5214



9.3590, 0.3272, 0.3432



15.0426, 0.5034, 0.4385



0.5811, 0.4744, 0.4615

Inverse Universe

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



7.4882, 0.1666, 0.1198



12.9882, 0.1658, 0.1167



3.5013, 0.1543, 0.0624



8.7363, 0.2985, 0.3144



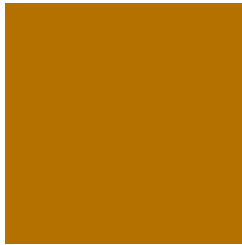
5.2783, 0.1672, 0.1219



0.2805, 0.1835, 0.1806

Previews

White Background



This preview shows how the Yxy color 21.6340, 0.5047, 0.4374 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 21.6340, 0.5047, 0.4374 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 21.6340, 0.5047, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 21.6340, 0.5047, 0.4374.



This preview shows how white text looks on a background with the Yxy color 21.6340, 0.5047, 0.4374.

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

21.6340, 0.5047, 0.4374

Protanopia

21.7493, 0.4366, 0.4844

Deuteranopia

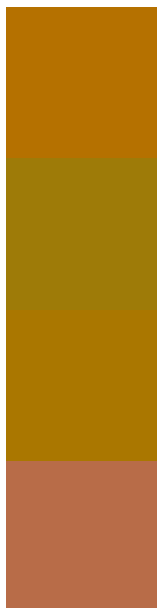
21.7056, 0.4715, 0.4638



Tritanopia

21.6097, 0.4126, 0.3180

Trichromacy



Original Color

21.6340, 0.5047, 0.4374

Protanomaly

21.4526, 0.4622, 0.4671

Deuteranomaly

21.7397, 0.4839, 0.4540

Tritanomaly

21.3834, 0.4650, 0.3781

Monochromacy



Original Color

21.6340, 0.5047, 0.4374

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9952, 0.3977, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6340, 0.5047, 0.4374 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(181, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 113, 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(181, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.6340, 0.5047, 0.4374 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(181, 113, 0) }
```

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

```
.border{ border-color:rgb(181, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6340, 0.5047, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 113, 0) }
```

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

```
.background{ background-color: rgb(181,  
113, 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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