

Converting Colors

$Y_{xy}(21.5671, 0.4909, 0.3934)$

Have a look what the booklet for
Yxy(21.5671, 0.4909, 0.3934)
contains.

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Color

Yxy(21.6100, 0.4905, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	BD6B37
RGB	189, 107, 55
RGB Percent	74%, 42%, 22%
CMY	0.2589, 0.5803, 0.7844
CMYK	0.00, 0.43, 0.71, 0.26
HSL	23°, 55%, 48%
HSV	23°, 71%, 74%
XYZ	26.9301, 21.6100, 6.3633
YIQ	125.5900, 65.5640, 1.2120

Conversions

Conversions Part 2

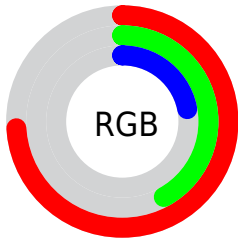
Format	Color
R_{YB}	189, 140, 55
Decimal	12413751
CIE Lab	53.61, 28.35, 42.40
CIE LCh	54, 51.011, 56.231
Yxy	21.6100, 0.4905, 0.3936
Android (android.graphics.Color)	4290603831 (0xFFBD6B37)
YUV	125.5900, -34.8009, 55.6106
Hunter-Lab	46.4866, 22.0554, 24.4247

Details

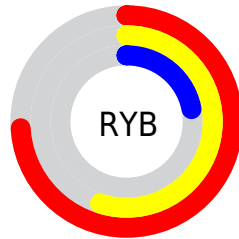
The Yxy color **21.6100, 0.4905, 0.3936** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.3609, 0.2107, 0.2392**, and the grayscale version is **20.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1197, 0.4543, 0.3857**, and **7.7829, 0.5480, 0.3969** is the 20% darker color. If you saturate the color by 10%, you get **19.2115, 0.5224, 0.3946**, and if you desaturate by 10%, it is **24.4024, 0.4579, 0.3885**.

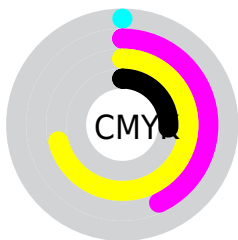
Distribution



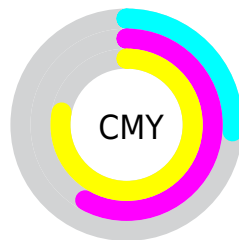
- Red (74%)
- Green (42%)
- Blue (22%)



- Red (74%)
- Yellow (55%)
- Blue (22%)



- Cyan (0%)
- Magenta (43%)
- Yellow (71%)
- Black (26%)





- Cyan (26%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6100, 0.4905, 0.3936 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 21.6100, 0.4905, 0.3936 by changing the saturation by 10% instead.


 21.6100, 0.4905,
0.3936


 21.6100, 0.4905,
0.3936


260.5028, 0.3927,
0.3660


 13.5706, 0.5159,
0.3965


 46.1006, 0.4536,
0.3859


 7.8226, 0.5479,
0.3967


 63.3205, 0.4401,
0.3822

 3.9817, 0.6011,
0.3989


 84.3695, 0.4288,
0.3788

 1.6633, 0.6344,
0.3656

 109.6318, 0.4193,
0.3757

 0.3997, 0.7323,
0.2677

 139.4919, 0.4112,
0.3729

 0.0000, 1.0000,
0.0000

 174.3342, 0.4042,

 0.0000, 0.0000,

0.3704

0.0000

214.5430, 0.3981,
0.3681

■ 21.6100, 0.4905,
0.3936

■ 21.6100, 0.4905,
0.3936

■ 19.2115, 0.5224,
0.3946

■ 24.4024, 0.4579,
0.3885

■ 17.1824, 0.5510,
0.3905

■ 27.6044, 0.4266,
0.3805

■ 15.6329, 0.5732,
0.3831

■ 31.2347, 0.3978,
0.3707

■ 35.3098, 0.3723,
0.3603

■ 39.8450, 0.3499,
0.3497

■ 44.8551, 0.3306,
0.3395

■ 50.3541, 0.3141,
0.3298

■ 56.3551, 0.2999,
0.3209

■ 62.8712, 0.2878,
0.3126

Harmonies

Analogous

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



21.6100, 0.4789, 0.3291



21.6100, 0.4905, 0.3936



21.6100, 0.4486, 0.4565

Triad

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



21.6100, 0.4905, 0.3936



21.6100, 0.2139, 0.3930



21.6100, 0.2339, 0.1980

Complementary

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



21.6100, 0.4905, 0.3936



22.3609, 0.2107, 0.2392

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.



21.6100, 0.1815, 0.1975



21.6100, 0.4905, 0.3936



21.6100, 0.1700, 0.2938

Square

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



21.6100, 0.4905, 0.3936



21.6100, 0.2884, 0.4792



21.6100, 0.1602, 0.2270



21.6100, 0.3161, 0.2237

Rectangle

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



21.6100, 0.4905, 0.3936



21.6100, 0.4012, 0.4885



21.6100, 0.1602, 0.2270



21.6100, 0.2129, 0.1948

Sweetspot

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



21.6111, 0.4905, 0.3936



71.0117, 0.3508, 0.3502



15.3709, 0.3973, 0.2270



14.7729, 0.3567, 0.3531



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.



21.6111, 0.4905, 0.3936



32.3532, 0.5386, 0.3930



41.1137, 0.4197, 0.4704



10.1276, 0.3279, 0.3380



10.6590, 0.5709, 0.3849



0.5452, 0.5265, 0.4202

Inverse Universe

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



22.3609, 0.2107, 0.2392



33.5183, 0.1965, 0.2161



8.9424, 0.1826, 0.1258



10.1704, 0.2984, 0.3199



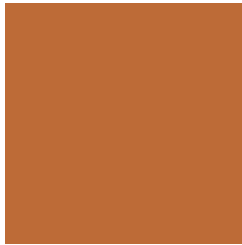
10.9671, 0.1884, 0.1981



0.5531, 0.1981, 0.2330

Previews

White Background



This preview shows how the Yxy color 21.6100, 0.4905, 0.3936 looks on a white background.

Color Contrast Check

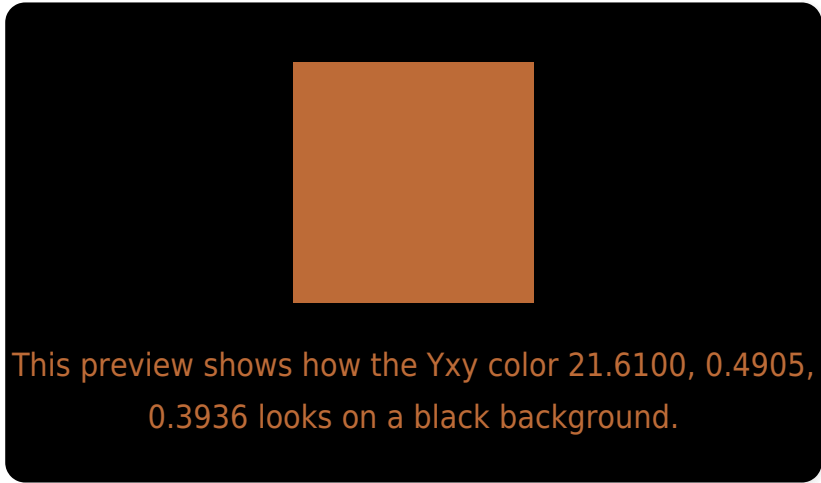
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

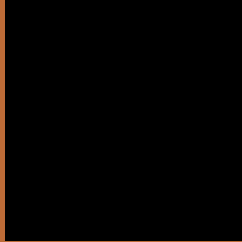
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6100, 0.4905, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 21.6100, 0.4905, 0.3936.



This preview shows how white text looks on a background with the Yxy color 21.6100, 0.4905, 0.3936.

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

21.6100, 0.4905, 0.3936

Protanopia

21.7991, 0.4024, 0.4414

Deuteranopia

21.6317, 0.4426, 0.4341



Tritanopia

21.5965, 0.4310, 0.3199

Trichromacy



Original Color

21.6100, 0.4905, 0.3936

Protanomaly

21.3614, 0.4351, 0.4239

Deuteranomaly

21.6284, 0.4610, 0.4194

Tritanomaly

21.4981, 0.4557, 0.3481

Monochromacy



Original Color

21.6100, 0.4905, 0.3936

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5033, 0.3756, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6100, 0.4905, 0.3936 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(189, 107, 55)` looks like.

```
.text, #text, p{  
    color:rgb(189, 107, 55)  
}
```

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(189, 107, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 107, 55) }
```

Border

The CSS property to change the border of an element to Yxy 21.6100, 0.4905, 0.3936 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(189, 107, 55) }
```

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

```
.border{ border-color:rgb(189, 107, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 107, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 107, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 107, 55);  
box-shadow:4px 4px 4px 4px rgb(189, 107,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6100, 0.4905, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 107, 55) }
```

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

```
.background{ background-color: rgb(189,  
107, 55) }
```

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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