

Converting Colors

$Y_{xy}(17.6356, 0.4902, 0.3650)$

Have a look what the booklet for
Yxy(17.6356, 0.4902, 0.3650)
contains.

Yxy(17.6761, 0.4900, 0.3651)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6761, 0.4900, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	B55B40
RGB	181, 91, 64
RGB Percent	71%, 36%, 25%
CMY	0.2902, 0.6431, 0.7489
CMYK	0.00, 0.50, 0.65, 0.29
HSL	14°, 48%, 48%
HSV	14°, 65%, 71%
XYZ	23.7231, 17.6761, 7.0152
YIQ	114.8320, 62.3070, 10.6830

Conversions

Conversions Part 2

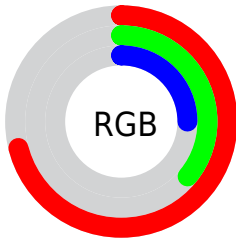
Format	Color
RYB	181, 99, 64
Decimal	11885376
CIELab	49.10, 34.20, 32.06
CIElCh	49, 46.882, 43.152
Yxy	17.6761, 0.4900, 0.3651
Android (android.graphics.Color)	4290075456 (0xFFB55B40)
YUV	114.8320, -25.0602, 58.0293
Hunter-Lab	42.0430, 27.1448, 19.5370

Details

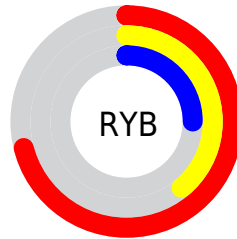
The Yxy color **17.6761, 0.4900, 0.3651** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **27.5441, 0.2260, 0.2827**, and the grayscale version is **17.1553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5155, 0.4501, 0.3628**, and **5.9174, 0.5575, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **15.3392, 0.5298, 0.3660**, and if you desaturate by 10%, it is **20.5236, 0.4514, 0.3615**.

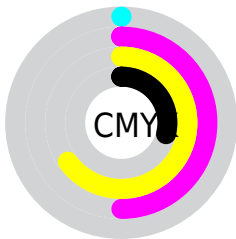
Distribution



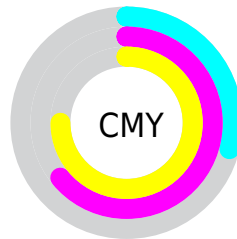
- Red (71%)
- Green (36%)
- Blue (25%)



- Red (71%)
- Yellow (39%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (65%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6761, 0.4900, 0.3651 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 17.6761, 0.4900, 0.3651 by changing the saturation by 10% instead.

 17.6761, 0.4900,
0.3651


 17.6761, 0.4900,
0.3651


239.0390, 0.3879,
0.3513


 10.7177, 0.5194,
0.3650


 39.4846, 0.4497,
0.3621


 5.8773, 0.5587,
0.3615

 55.1035, 0.4355,
0.3603


 2.7706, 0.6316,
0.3605

 74.3781, 0.4239,
0.3585

 1.0132, 0.6842,
0.3158

 97.6926, 0.4142,
0.3568

 0.0000, 1.0000,
0.0000

 125.4316, 0.4061,
0.3553

 0.0000, 0.0000,
0.0000

 157.9794, 0.3991,

0.3538

195.7204, 0.3931,
0.3525

■ 17.6761, 0.4900,
0.3651

■ 17.6761, 0.4900,
0.3651

■ 15.3392, 0.5298,
0.3660

■ 20.5236, 0.4514,
0.3615

■ 13.4788, 0.5672,
0.3632

■ 23.9072, 0.4164,
0.3562

■ 12.0608, 0.5978,
0.3566

■ 27.8542, 0.3859,
0.3501

■ 11.4619, 0.6115,
0.3527

■ 32.3890, 0.3600,
0.3438

■ 37.5348, 0.3382,
0.3375

■ 43.3132, 0.3201,
0.3316

■ 49.7449, 0.3049,
0.3261

■ 56.8498, 0.2923,
0.3211

■ 64.6465, 0.2818,
0.3165

Harmonies

Analogous

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



17.6761, 0.4526, 0.3029



17.6761, 0.4900, 0.3651



17.6761, 0.4699, 0.4290

Triad

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



17.6761, 0.4900, 0.3651



17.6761, 0.2447, 0.4342



17.6761, 0.2087, 0.1963

Complementary

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



17.6761, 0.4900, 0.3651



27.5441, 0.2260, 0.2827

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.



17.6761, 0.1704, 0.2081



17.6761, 0.4900, 0.3651



17.6761, 0.1868, 0.3347

Square

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



17.6761, 0.4900, 0.3651



17.6761, 0.3259, 0.4935



17.6761, 0.1626, 0.2527



17.6761, 0.2778, 0.2113

Rectangle

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



17.6761, 0.4900, 0.3651



17.6761, 0.4320, 0.4672



17.6761, 0.1626, 0.2527



17.6761, 0.1925, 0.1970

Sweetspot

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



17.6770, 0.4900, 0.3651



62.7640, 0.3479, 0.3404



15.8817, 0.3549, 0.2098



13.0117, 0.3542, 0.3422



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.



17.6770, 0.4900, 0.3651



25.8119, 0.5479, 0.3652



31.3288, 0.4293, 0.4402



8.8128, 0.3281, 0.3343



7.9915, 0.6094, 0.3543



0.3408, 0.5558, 0.3969

Inverse Universe

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



27.5441, 0.2260, 0.2827



44.5668, 0.2139, 0.2703



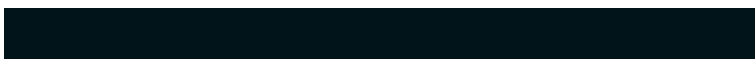
13.0071, 0.2014, 0.1777



9.2926, 0.2986, 0.3236



15.1885, 0.2039, 0.2540



0.5593, 0.2103, 0.2772

Previews

White Background



This preview shows how the Yxy color 17.6761, 0.4900, 0.3651 looks on a white background.

Color Contrast Check

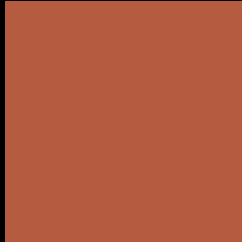
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.6761, 0.4900, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

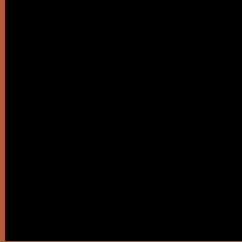
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6761, 0.4900, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 17.6761, 0.4900, 0.3651.



This preview shows how white text looks on a background with the Yxy color 17.6761, 0.4900, 0.3651.

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

17.6761, 0.4900, 0.3651

Protanopia

17.8062, 0.3806, 0.4107

Deuteranopia

17.8439, 0.4240, 0.4177



Tritanopia

17.6740, 0.4526, 0.3211

Trichromacy



Original Color

17.6761, 0.4900, 0.3651

Protanomaly

17.3704, 0.4201, 0.3944

Deuteranomaly

17.4056, 0.4493, 0.3970

Tritanomaly

17.5337, 0.4681, 0.3377

Monochromacy



Original Color

17.6761, 0.4900, 0.3651

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6416, 0.3741, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6761, 0.4900, 0.3651 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, 91, 64)` looks like.

```
.text, #text, p{  
    color:rgb(181, 91, 64)  
}
```

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, 91, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 91, 64) }
```

Border

The CSS property to change the border of an element to Yxy 17.6761, 0.4900, 0.3651 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, 91, 64) }
```

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

```
.border{ border-color:rgb(181, 91, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 91, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 91, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 91, 64);  
box-shadow:4px 4px 4px 4px rgb(181, 91,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6761, 0.4900, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 91, 64) }
```

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

```
.background{ background-color: rgb(181, 91,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor