

Converting Colors

$Y_{xy}(17.8618, 0.5358, 0.4049)$

Have a look what the booklet for
Yxy(17.8618, 0.5358, 0.4049)
contains.

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Color

Yxy(17.8763, 0.5360, 0.4047)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B85C0E |
| RGB | 184, 92, 14 |
| RGB Percent | 72%, 36%, 5% |
| CMY | 0.2784, 0.6392, 0.9449 |
| CMYK | 0.00, 0.50, 0.92, 0.28 |
| HSL | 28°, 86%, 39% |
| HSV | 28°, 92%, 72% |
| XYZ | 23.6760, 17.8763, 2.6194 |
| YIQ | 110.6160, 79.8700, -4.7540 |

Conversions

Conversions Part 2

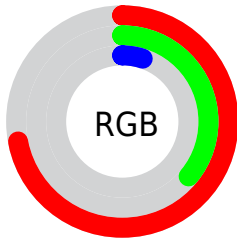
| Format | Color |
|-------------------------------------|---|
| RYB | 184, 158, 14 |
| Decimal | 12082190 |
| CIELab | 49.35, 32.94, 54.93 |
| CIElCh | 49, 64.048, 59.051 |
| Yxy | 17.8763, 0.5360, 0.4047 |
| Android (android.graphics.Color) | 4290272270 (0xFFB85C0E) |
| YUV | 110.6160, -47.6317, 64.3578 |
| Hunter-Lab | 42.2804, 25.9653, 25.9231 |

Details

The Yxy color **17.8763, 0.5360, 0.4047** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.8747, 0.1862, 0.1846**, and the grayscale version is **15.9040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9690, 0.4916, 0.4006**, and **6.0128, 0.5784, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **16.5940, 0.5528, 0.3993**, and if you desaturate by 10%, it is **19.7930, 0.5111, 0.4082**.

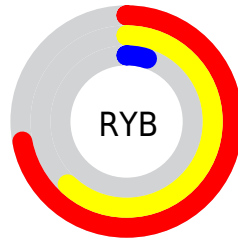
Distribution



Red (72%)

Green (36%)

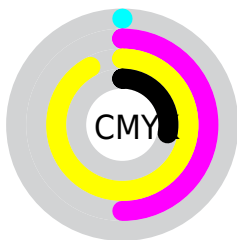
Blue (5%)



Red (72%)

Yellow (62%)

Blue (5%)

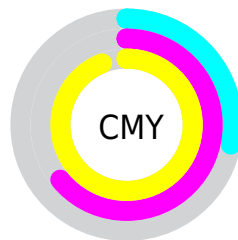


Cyan (0%)

Magenta (50%)

Yellow (92%)

Black (28%)



Cyan (28%)


Magenta (64%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8763, 0.5360, 0.4047 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 17.8763, 0.5360, 0.4047 by changing the saturation by 10% instead.


 17.8763, 0.5360,
0.4047


 17.8763, 0.5360,
0.4047


240.1729, 0.4151,
0.3781


 10.8612, 0.5640,
0.4026


 39.8264, 0.4923,
0.4004


 5.9736, 0.6026,
0.3974


 55.5303, 0.4755,
0.3969


 2.8290, 0.6310,
0.3690

 74.8991, 0.4613,
0.3933

 1.0431, 0.6769,
0.3231

 98.3174, 0.4492,
0.3899

 0.0000, 1.0000,
0.0000

 126.1696, 0.4388,
0.3866

 0.0000, 0.0000,
0.0000


 158.8399, 0.4298,


0.3835

 196.7129, 0.4220,
0.3807


 17.8763, 0.5360,
0.4047


 17.8763, 0.5360,
0.4047


 16.5940, 0.5528,
0.3993

 19.7930, 0.5111,
0.4082

 22.0001, 0.4831,
0.4064

 24.5145, 0.4538,
0.4002

 27.3505, 0.4252,
0.3909

 30.5214, 0.3983,
0.3797

■ 34.0392, 0.3738,
0.3675

■ 37.9155, 0.3521,
0.3551

■ 42.1611, 0.3330,
0.3431

■ 46.7864, 0.3163,
0.3316

Harmonies

Analogous

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



17.8763, 0.5368, 0.3278



17.8763, 0.5360, 0.4047



17.8763, 0.4692, 0.4881

Triad

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



17.8763, 0.5360, 0.4047



17.8763, 0.1756, 0.4005



17.8763, 0.2186, 0.1680

Complementary

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



17.8763, 0.5360, 0.4047



13.8747, 0.1862, 0.1846

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.



17.8763, 0.1530, 0.1629



17.8763, 0.5360, 0.4047



17.8763, 0.1303, 0.2666

Square

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



17.8763, 0.5360, 0.4047



17.8763, 0.2635, 0.5315



17.8763, 0.1249, 0.1909



17.8763, 0.3262, 0.2011

Rectangle

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



17.8763, 0.5360, 0.4047



17.8763, 0.4050, 0.5371



17.8763, 0.1249, 0.1909



17.8763, 0.1921, 0.1630

Sweetspot

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



17.8773, 0.5360, 0.4047



64.3588, 0.3650, 0.3626



11.5797, 0.4587, 0.2349



13.2445, 0.3747, 0.3680



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.



17.8773, 0.5360, 0.4047



29.6107, 0.5554, 0.3972



41.0840, 0.4258, 0.4959



9.6726, 0.3277, 0.3395



11.5731, 0.5507, 0.4009



0.5320, 0.5084, 0.4345

Inverse Universe

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



13.8747, 0.1862, 0.1846



22.1762, 0.1804, 0.1692



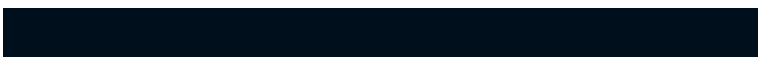
4.1495, 0.1549, 0.0704



9.5032, 0.2985, 0.3183



8.7582, 0.1816, 0.1739



0.4310, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 17.8763, 0.5360, 0.4047 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 17.8763, 0.5360, 0.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

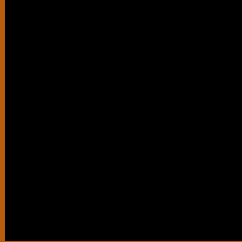
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8763, 0.5360, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 17.8763, 0.5360, 0.4047.



This preview shows how white text looks on a background with the Yxy color 17.8763, 0.5360, 0.4047.

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

17.8763, 0.5360, 0.4047

Protanopia

18.0013, 0.4326, 0.4778

Tritanopia

17.9931, 0.4600, 0.3214

Trichromacy



Original Color

17.8763, 0.5360, 0.4047

Protanomaly

17.6597, 0.4723, 0.4500

Tritanomaly

17.7887, 0.4989, 0.3598

Monochromacy



Original Color

17.8763, 0.5360, 0.4047

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8257, 0.4026, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8763, 0.5360, 0.4047 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(184, 92, 14)` looks like.

```
.text, #text, p{  
    color:rgb(184, 92, 14)  
}
```

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(184, 92, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 92, 14) }
```

Border

The CSS property to change the border of an element to Yxy 17.8763, 0.5360, 0.4047 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(184, 92, 14) }
```

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

```
.border{ border-color:rgb(184, 92, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 92, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 92, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 92, 14);  
box-shadow:4px 4px 4px 4px rgb(184, 92,  
14) }
```

Background

The CSS property to change the background color of an element to Yxy 17.8763, 0.5360, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 92, 14) }
```

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

```
.background{ background-color: rgb(184, 92,  
14) }
```

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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