

Converting Colors

$Y_{xy}(17.7212, 0.3120, 0.4775)$

Have a look what the booklet for
Yxy(17.7212, 0.3120, 0.4775)
contains.

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Color

Yxy(17.6865, 0.3115, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	478241
RGB	71, 130, 65
RGB Percent	28%, 51%, 25%
CMY	0.7216, 0.4902, 0.7450
CMYK	0.45, 0.00, 0.50, 0.49
HSL	114°, 33%, 38%
HSV	114°, 50%, 51%
XYZ	11.5355, 17.6865, 7.8101
YIQ	104.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

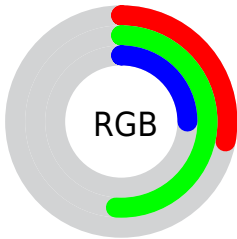
Format	Color
RYB	65, 130, 124
Decimal	4686401
CIELab	49.11, -33.11, 29.17
CIELCh	49, 44.123, 138.623
Yxy	17.6865, 0.3115, 0.4776
Android (android.graphics.Color)	4282876481 (0xFF478241)
YUV	104.9490, -19.6949, -29.7733
Hunter-Lab	42.0553, -24.6355, 18.4280

Details

The Yxy color **17.6865, 0.3115, 0.4776** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.6823, 0.3085, 0.2098**, and the grayscale version is **14.1698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2928, 0.3146, 0.4393**, and **5.8945, 0.2996, 0.5519** is the 20% darker color. If you saturate the color by 10%, you get **17.1497, 0.3102, 0.5107**, and if you desaturate by 10%, it is **18.3462, 0.3123, 0.4439**.

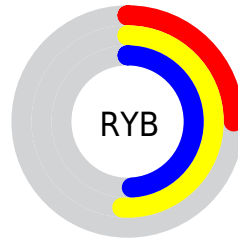
Distribution



Red (28%)

Green (51%)

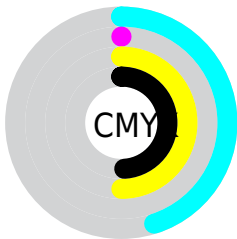
Blue (25%)



Red (25%)

Yellow (51%)

Blue (49%)

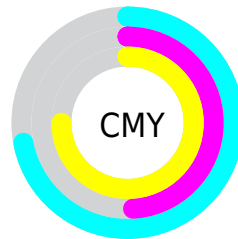


Cyan (45%)

Magenta (0%)

Yellow (50%)

Black (49%)



Cyan (72%)


Magenta (49%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6865, 0.3115, 0.4776 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 17.6865, 0.3115, 0.4776 by changing the saturation by 10% instead.


 17.6865, 0.3115,
0.4776


 17.6865, 0.3115,
0.4776


239.0980, 0.3156,
0.3867


 10.7251, 0.3078,
0.5080


 39.5024, 0.3145,
0.4394


 5.8823, 0.3002,
0.5528

 55.1257, 0.3151,
0.4267

 2.7737, 0.2926,
0.6457

 74.4052, 0.3154,
0.4166

 1.0147, 0.1293,
0.8707

 97.7252, 0.3155,
0.4084

 0.0000, 0.0000,
0.0000

 125.4700, 0.3156,
0.4016

 158.0242, 0.3156,

0.3958

195.7721, 0.3156,
0.3909

■ 17.6865, 0.3115,
0.4776

■ 17.6865, 0.3115,
0.4776

■ 17.1497, 0.3102,
0.5107

■ 18.3462, 0.3123,
0.4439

■ 16.7261, 0.3086,
0.5411

■ 19.1335, 0.3128,
0.4114

■ 16.4081, 0.3066,
0.5664

■ 20.0553, 0.3130,
0.3810

■ 16.1865, 0.3045,
0.5849


■ 21.1176, 0.3129,
0.3535

■ 16.0439, 0.3030,
0.5976


■ 22.3258, 0.3127,
0.3290

 16.0437, 0.3030,
0.5976

 23.6854, 0.3124,
0.3074

 25.2011, 0.3119,
0.2886

 26.8778, 0.3114,
0.2722

 28.7201, 0.3109,
0.2580

Harmonies

Analogous

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



17.6865, 0.3909, 0.4800



17.6865, 0.3115, 0.4776



17.6865, 0.2367, 0.4115

Triad

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



17.6865, 0.3115, 0.4776



17.6865, 0.1817, 0.2101



17.6865, 0.4548, 0.3155

Complementary

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



17.6865, 0.3115, 0.4776



9.6823, 0.3085, 0.2098

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.



17.6865, 0.3822, 0.2615



17.6865, 0.3115, 0.4776



17.6865, 0.2240, 0.2034

Square

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



17.6865, 0.3115, 0.4776



17.6865, 0.1689, 0.2470



17.6865, 0.2948, 0.2220



17.6865, 0.4806, 0.3759

Rectangle

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



17.6865, 0.3115, 0.4776



17.6865, 0.1998, 0.3490



17.6865, 0.2948, 0.2220



17.6865, 0.4346, 0.2964

Sweetspot

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



17.6872, 0.3115, 0.4776



36.1549, 0.3130, 0.3679



19.4194, 0.3883, 0.4357



8.1105, 0.3130, 0.3728



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.6872, 0.3115, 0.4776



30.0865, 0.3100, 0.5151



17.8461, 0.2829, 0.4188



4.8362, 0.3129, 0.3511



15.3844, 0.3030, 0.5976



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6823, 0.3085, 0.2098



14.2637, 0.3066, 0.1867



9.5289, 0.3641, 0.2551



4.3930, 0.3124, 0.3076



5.2434, 0.2986, 0.1419



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6865, 0.3115, 0.4776 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 17.6865, 0.3115, 0.4776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

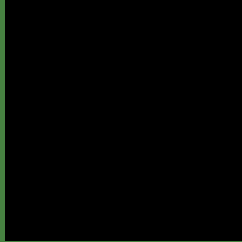
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6865, 0.3115, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 17.6865, 0.3115, 0.4776.



This preview shows how white text looks on a background with the Yxy color 17.6865, 0.3115, 0.4776.

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

17.6865, 0.3115, 0.4776

Protanopia

17.4062, 0.3975, 0.4334

Deuteranopia

17.4738, 0.4088, 0.4019



Tritanopia

17.7167, 0.2611, 0.3104

Trichromacy



Original Color

17.6865, 0.3115, 0.4776

Protanomaly

17.1483, 0.3618, 0.4506

Deuteranomaly

17.0872, 0.3699, 0.4293

Tritanomaly

17.6667, 0.2793, 0.3684

Monochromacy



Original Color

17.6865, 0.3115, 0.4776

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.1000, 0.3140, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6865, 0.3115, 0.4776 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(71, 130, 65)` looks like.

```
.text, #text, p{  
    color:rgb(71, 130, 65)  
}
```

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(71, 130, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 130, 65) }
```

Border

The CSS property to change the border of an element to Yxy 17.6865, 0.3115, 0.4776 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(71, 130, 65) }
```

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

```
.border{ border-color:rgb(71, 130, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 130, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 130, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 130, 65);  
box-shadow:4px 4px 4px 4px rgb(71, 130,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6865, 0.3115, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 130, 65) }
```

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

```
.background{ background-color: rgb(71, 130,  
65) }
```

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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