

Converting Colors

$Y_{xy}(17.7006, 0.3445, 0.5351)$

Have a look what the booklet for
Yxy(17.7006, 0.3445, 0.5351)
contains.

Yxy(17.7162, 0.3450, 0.5348)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7162, 0.3450, 0.5348)

Conversions

Conversions Part 1

Format	Color
Hex	4F821D
RGB	79, 130, 29
RGB Percent	31%, 51%, 11%
CMY	0.6902, 0.4902, 0.8861
CMYK	0.39, 0.00, 0.78, 0.49
HSL	90°, 63%, 31%
HSV	90°, 78%, 51%
XYZ	11.4287, 17.7162, 3.9818
YIQ	103.2370, 2.0250, -42.2230

Conversions

Conversions Part 2

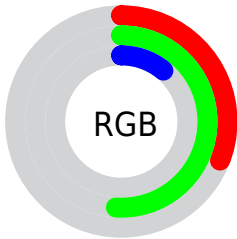
Format	Color
R_{YB}	29, 130, 80
Decimal	5210653
CIE Lab	49.15, -34.03, 45.94
CIE LCh	49, 57.174, 126.529
Yxy	17.7162, 0.3450, 0.5348
Android (android.graphics.Color)	4283400733 (0xFF4F821D)
YUV	103.2370, -36.5988, -21.2558
Hunter-Lab	42.0906, -25.1910, 23.8545

Details

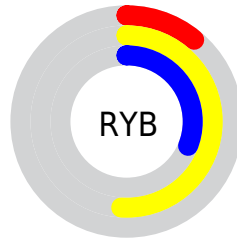
The Yxy color **17.7162, 0.3450, 0.5348** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2000, 0.2323, 0.1254**, and the grayscale version is **13.7291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3666, 0.3440, 0.4847**, and **5.9440, 0.3209, 0.5834** is the 20% darker color. If you saturate the color by 10%, you get **17.3977, 0.3427, 0.5530**, and if you desaturate by 10%, it is **18.0912, 0.3453, 0.5120**.

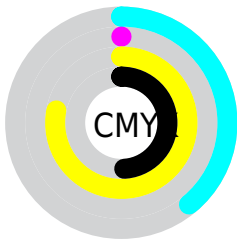
Distribution



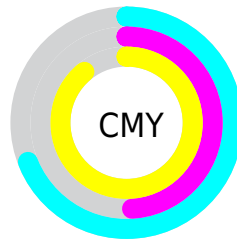
- Red (31%)
- Green (51%)
- Blue (11%)



- Red (11%)
- Yellow (51%)
- Blue (31%)



- Cyan (39%)
- Magenta (0%)
- Yellow (78%)
- Black (49%)





- Cyan (69%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7162, 0.3450, 0.5348 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 17.7162, 0.3450, 0.5348 by changing the saturation by 10% instead.


 17.7162, 0.3450,
0.5348


 17.7162, 0.3450,
0.5348


239.2665, 0.3342,
0.4113


 10.7464, 0.3420,
0.5720


 39.5531, 0.3441,
0.4847


 5.8966, 0.3369,
0.6309

 55.1891, 0.3426,
0.4674

 2.7823, 0.3070,
0.6930

 74.4826, 0.3410,
0.4535

 1.0192, 0.1147,
0.8853


 97.8180, 0.3395,
0.4420


 0.0000, 0.0000,
0.0000


 125.5796, 0.3380,
0.4324

 158.1520, 0.3366,

0.4243


 195.9195, 0.3354,
0.4173

 17.7162, 0.3450,
0.5348

 17.7162, 0.3450,
0.5348


 17.3977, 0.3427,
0.5530


 18.0912, 0.3453,
0.5120

 17.1260, 0.3388,
0.5668

 18.5243, 0.3436,
0.4858

 17.0669, 0.3379,
0.5699

 19.0196, 0.3402,
0.4576

 19.5801, 0.3356,
0.4287

 20.2088, 0.3300,
0.4002

■ 20.9082, 0.3240,
0.3729

■ 21.6809, 0.3176,
0.3473

■ 22.5291, 0.3112,
0.3237

■ 23.4551, 0.3050,
0.3022

Harmonies

Analogous

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



17.7162, 0.4391, 0.4957



17.7162, 0.3450, 0.5348



17.7162, 0.2478, 0.4847

Triad

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



17.7162, 0.3450, 0.5348



17.7162, 0.1425, 0.1933



17.7162, 0.4637, 0.2807

Complementary

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



17.7162, 0.3450, 0.5348



4.2000, 0.2323, 0.1254

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.



17.7162, 0.3544, 0.2231



17.7162, 0.3450, 0.5348



17.7162, 0.1775, 0.1744

Square

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



17.7162, 0.3450, 0.5348



17.7162, 0.1403, 0.2522



17.7162, 0.2487, 0.1857



17.7162, 0.5225, 0.3489

Rectangle

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



17.7162, 0.3450, 0.5348



17.7162, 0.1945, 0.4045



17.7162, 0.2487, 0.1857



17.7162, 0.4302, 0.2599

Sweetspot

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



17.7170, 0.3450, 0.5348



36.0823, 0.3276, 0.3887



10.5024, 0.4845, 0.4149



8.0836, 0.3294, 0.3972



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.



17.7170, 0.3450, 0.5348



30.2770, 0.3397, 0.5632



16.3168, 0.3016, 0.5649



4.9150, 0.3185, 0.3508



16.3677, 0.3380, 0.5698



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.2000, 0.2323, 0.1254



5.3130, 0.2117, 0.0976



7.2385, 0.3202, 0.1695



4.3101, 0.3065, 0.3072



2.6494, 0.2064, 0.0910



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7162, 0.3450, 0.5348 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 17.7162, 0.3450, 0.5348 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 17.7162, 0.3450, 0.5348

Background



This preview shows how black text looks on a background with the Yxy color 17.7162, 0.3450, 0.5348.



This preview shows how white text looks on a background with the Yxy color 17.7162, 0.3450, 0.5348.

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

17.7162, 0.3450, 0.5348

Protanopia

17.6225, 0.4291, 0.4754

Deuteranopia

17.4028, 0.4508, 0.4413



Tritanopia

17.6406, 0.2703, 0.3087

Trichromacy



Original Color

17.7162, 0.3450, 0.5348

Protanomaly

17.4429, 0.3959, 0.4990

Deuteranomaly

16.9815, 0.4107, 0.4748

Tritanomaly

17.2982, 0.3027, 0.3951

Monochromacy



Original Color

17.7162, 0.3450, 0.5348

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.7117, 0.3323, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7162, 0.3450, 0.5348 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(79, 130, 29)` looks like.

```
.text, #text, p{  
    color:rgb(79, 130, 29)  
}
```

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(79, 130, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 130, 29) }
```

Border

The CSS property to change the border of an element to Yxy 17.7162, 0.3450, 0.5348 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(79, 130, 29) }
```

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

```
.border{ border-color:rgb(79, 130, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 130, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 130, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 130, 29);  
box-shadow:4px 4px 4px 4px rgb(79, 130,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7162, 0.3450, 0.5348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 130, 29) }
```

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

```
.background{ background-color: rgb(79, 130,  
29) }
```

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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