

Converting Colors

$Y_{xy}(17.6941, 0.3444, 0.5353)$

Have a look what the booklet for
Yxy(17.6941, 0.3444, 0.5353)
contains.

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Color

Yxy(17.6737, 0.3439, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	4E821D
RGB	78, 130, 29
RGB Percent	31%, 51%, 11%
CMY	0.6940, 0.4902, 0.8862
CMYK	0.40, 0.00, 0.78, 0.49
HSL	91°, 64%, 31%
HSV	91°, 78%, 51%
XYZ	11.3480, 17.6737, 3.9763
YIQ	102.9380, 1.4290, -42.4350

Conversions

Conversions Part 2

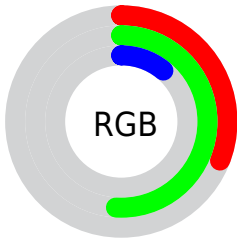
Format	Color
R_{YB}	29, 130, 81
Decimal	5145117
CIE _{Lab}	49.10, -34.39, 45.88
CIE _{LCh}	49, 57.341, 126.851
Yxy	17.6737, 0.3439, 0.5356
Android (android.graphics.Color)	4283335197 (0xFF4E821D)
YUV	102.9380, -36.4514, -21.8706
Hunter-Lab	42.0401, -25.3872, 23.8203

Details

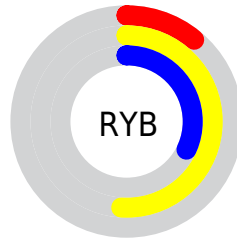
The Yxy color **17.6737, 0.3439, 0.5356** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2397, 0.2338, 0.1261**, and the grayscale version is **13.6465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2863, 0.3431, 0.4852**, and **5.9315, 0.3197, 0.5843** is the 20% darker color. If you saturate the color by 10%, you get **17.3547, 0.3415, 0.5539**, and if you desaturate by 10%, it is **18.0502, 0.3443, 0.5127**.

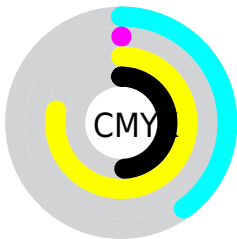
Distribution



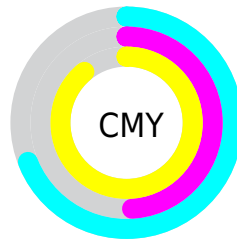
- Red (31%)
- Green (51%)
- Blue (11%)



- Red (11%)
- Yellow (51%)
- Blue (32%)



- Cyan (40%)
- Magenta (0%)
- Yellow (78%)
- Black (49%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6737, 0.3439, 0.5356 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 17.6737, 0.3439, 0.5356 by changing the saturation by 10% instead.


 17.6737, 0.3439,
0.5356


 17.6737, 0.3439,
0.5356


239.0254, 0.3338,
0.4115


 10.7160, 0.3407,
0.5731


 39.4805, 0.3433,
0.4852


 5.8762, 0.3352,
0.6325

 55.0984, 0.3419,
0.4679


 2.7699, 0.3048,
0.6952

 74.3718, 0.3404,
0.4538

 1.0128, 0.1042,
0.8958

 97.6851, 0.3389,
0.4423


 0.0000, 0.0000,
0.0000

 125.4228, 0.3375,
0.4327

 157.9691, 0.3361,


0.4245


 195.7085, 0.3349,
0.4175

 17.6737, 0.3439,
0.5356


 17.6737, 0.3439,
0.5356


 17.3547, 0.3415,
0.5539


 18.0502, 0.3443,
0.5127


 17.0832, 0.3375,
0.5678

 18.4857, 0.3427,
0.4863

 17.0248, 0.3366,
0.5709

 18.9845, 0.3395,
0.4580

 19.5496, 0.3350,
0.4290

 20.1839, 0.3296,
0.4003

■ 20.8901, 0.3237,
0.3730

■ 21.6706, 0.3175,
0.3473

■ 22.5280, 0.3113,
0.3237

■ 23.4643, 0.3052,
0.3022

Harmonies

Analogous

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



17.6737, 0.4385, 0.4968



17.6737, 0.3439, 0.5356



17.6737, 0.2465, 0.4843

Triad

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



17.6737, 0.3439, 0.5356



17.6737, 0.1423, 0.1924



17.6737, 0.4652, 0.2812

Complementary

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



17.6737, 0.3439, 0.5356



4.2397, 0.2338, 0.1261

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.



17.6737, 0.3557, 0.2233



17.6737, 0.3439, 0.5356



17.6737, 0.1777, 0.1739

Square

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



17.6737, 0.3439, 0.5356



17.6737, 0.1396, 0.2510



17.6737, 0.2495, 0.1856



17.6737, 0.5234, 0.3496

Rectangle

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



17.6737, 0.3439, 0.5356



17.6737, 0.1933, 0.4034



17.6737, 0.2495, 0.1856



17.6737, 0.4318, 0.2603

Sweetspot

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



17.6745, 0.3439, 0.5356



36.0481, 0.3272, 0.3888



10.4997, 0.4845, 0.4149



8.0751, 0.3290, 0.3973



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.



17.6745, 0.3439, 0.5356



30.2046, 0.3385, 0.5641



16.3151, 0.3016, 0.5649



4.9132, 0.3184, 0.3508



16.3285, 0.3368, 0.5708



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.2397, 0.2338, 0.1261



5.3886, 0.2135, 0.0986



7.2368, 0.3202, 0.1695



4.3120, 0.3066, 0.3073



2.6904, 0.2082, 0.0921



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.6737, 0.3439, 0.5356 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 17.6737, 0.3439, 0.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

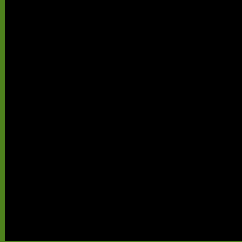
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6737, 0.3439, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 17.6737, 0.3439, 0.5356.



This preview shows how white text looks on a background with the Yxy color 17.6737, 0.3439, 0.5356.

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

17.6737, 0.3439, 0.5356

Protanopia

17.3907, 0.4305, 0.4741

Deuteranopia

17.3115, 0.4495, 0.4421



Tritanopia

17.5887, 0.2693, 0.3086

Trichromacy



Original Color

17.6737, 0.3439, 0.5356

Protanomaly

17.1986, 0.3970, 0.4978

Deuteranomaly

16.9089, 0.4093, 0.4757

Tritanomaly

17.2497, 0.3016, 0.3953

Monochromacy



Original Color

17.6737, 0.3439, 0.5356

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 17.6737, 0.3439, 0.5356 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(78, 130, 29)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 130, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 130, 29) }
```

Border

The CSS property to change the border of an element to Yxy 17.6737, 0.3439, 0.5356 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(78, 130, 29) }
```

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

```
.border{ border-color:rgb(78, 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(78, 130, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 130, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 130, 29);  
box-shadow:4px 4px 4px 4px rgb(78, 130,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6737, 0.3439, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 130, 29) }
```

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

```
.background{ background-color: rgb(78, 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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