

Converting Colors

$Y_{xy}(17.2450, 0.3574, 0.5292)$

Have a look what the booklet for
Yxy(17.2450, 0.3574, 0.5292)
contains.

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Color

Yxy(17.2318, 0.3569, 0.5296)

Conversions

Conversions Part 1

Format	Color
Hex	567F1A
RGB	86, 127, 26
RGB Percent	34%, 50%, 10%
CMY	0.6628, 0.5019, 0.8979
CMYK	0.32, 0.00, 0.80, 0.50
HSL	84°, 66%, 30%
HSV	84°, 80%, 50%
XYZ	11.6126, 17.2318, 3.6930
YIQ	103.2270, 7.9850, -40.1030

Conversions

Conversions Part 2

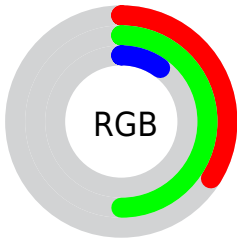
Format	Color
R_{YB}	26, 127, 67
Decimal	5668634
CIE _{Lab}	48.55, -30.13, 46.55
CIE _{LCh}	49, 55.456, 122.913
Yxy	17.2318, 0.3569, 0.5296
Android (android.graphics.Color)	4283858714 (0xFF567F1A)
YUV	103.2270, -38.0729, -15.1081
Hunter-Lab	41.5112, -22.7099, 23.7832

Details

The Yxy color **17.2318, 0.3569, 0.5296** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.4680, 0.2145, 0.1141**, and the grayscale version is **13.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6960, 0.3528, 0.4810**, and **5.6651, 0.3371, 0.5705** is the 20% darker color. If you saturate the color by 10%, you get **16.9516, 0.3553, 0.5455**, and if you desaturate by 10%, it is **17.5563, 0.3562, 0.5093**.

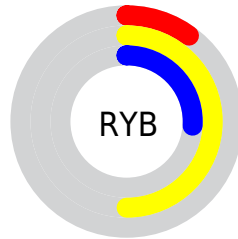
Distribution



Red (34%)

Green (50%)

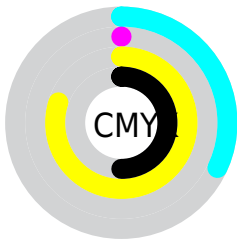
Blue (10%)



Red (10%)

Yellow (50%)

Blue (26%)

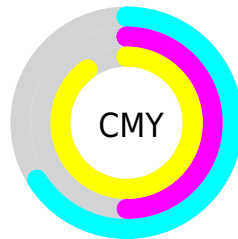


Cyan (32%)

Magenta (0%)

Yellow (80%)

Black (50%)



Cyan (66%)

Magenta (50%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2318, 0.3569, 0.5296 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 17.2318, 0.3569, 0.5296 by changing the saturation by 10% instead.

■ 17.2318, 0.3569,
0.5296

■ 17.2318, 0.3569,
0.5296

■ 236.5047, 0.3391,
0.4100

■ 10.3999, 0.3558,
0.5649

■ 38.7239, 0.3532,
0.4815

■ 5.6649, 0.3554,
0.6240

■ 54.1529, 0.3508,
0.4647

■ 2.6424, 0.3254,
0.6746

■ 73.2163, 0.3484,
0.4511

■ 0.9480, 0.1476,
0.8524

■ 96.2987, 0.3462,
0.4400


■ 0.0000, 0.0000,
0.0000


■ 123.7843, 0.3442,
0.4306


■ 156.0575, 0.3423,


0.4227


 193.5029, 0.3406,
0.4159


 17.2318, 0.3569,
0.5296


 17.2318, 0.3569,
0.5296


 16.9516, 0.3553,
0.5455


 17.5563, 0.3562,
0.5093


 16.7043, 0.3523,
0.5580

 17.9263, 0.3534,
0.4854

 16.6925, 0.3522,
0.5586

 18.3454, 0.3488,
0.4591

 18.8162, 0.3428,
0.4316

 19.3411, 0.3357,
0.4041

■ 19.9222, 0.3281,
0.3772

■ 20.5617, 0.3202,
0.3517

■ 21.2615, 0.3123,
0.3279

■ 22.0234, 0.3046,
0.3059

Harmonies

Analogous

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



17.2318, 0.4475, 0.4855



17.2318, 0.3569, 0.5296



17.2318, 0.2603, 0.4921

Triad

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



17.2318, 0.3569, 0.5296



17.2318, 0.1432, 0.2004



17.2318, 0.4493, 0.2742

Complementary

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



17.2318, 0.3569, 0.5296



3.4680, 0.2145, 0.1141

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.



17.2318, 0.3401, 0.2192



17.2318, 0.3569, 0.5296



17.2318, 0.1738, 0.1774

Square

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



17.2318, 0.3569, 0.5296



17.2318, 0.1451, 0.2643



17.2318, 0.2396, 0.1852



17.2318, 0.5153, 0.3408

Rectangle

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



17.2318, 0.3569, 0.5296



17.2318, 0.2052, 0.4183



17.2318, 0.2396, 0.1852



17.2318, 0.4150, 0.2541

Sweetspot

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



17.2326, 0.3569, 0.5296



35.1322, 0.3320, 0.3907



8.5332, 0.5076, 0.3969



8.1527, 0.3343, 0.3989



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.



17.2326, 0.3569, 0.5296



30.0114, 0.3527, 0.5545



15.6324, 0.3073, 0.5646



4.9350, 0.3199, 0.3507



16.8324, 0.3521, 0.5586



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.4680, 0.2145, 0.1141



4.3118, 0.1919, 0.0858



6.0483, 0.3016, 0.1583



4.2904, 0.3051, 0.3071



2.2702, 0.1885, 0.0812



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2318, 0.3569, 0.5296 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 17.2318, 0.3569, 0.5296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

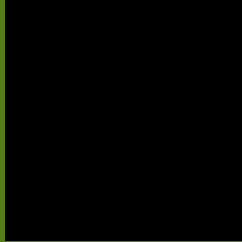
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2318, 0.3569, 0.5296

Background



This preview shows how black text looks on a background with the Yxy color 17.2318, 0.3569, 0.5296.



This preview shows how white text looks on a background with the Yxy color 17.2318, 0.3569, 0.5296.

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

17.2318, 0.3569, 0.5296

Protanopia

16.9905, 0.4307, 0.4771

Deuteranopia

16.9879, 0.4519, 0.4445



Tritanopia

17.1120, 0.2780, 0.3087

Trichromacy



Original Color

17.2318, 0.3569, 0.5296

Protanomaly

16.7703, 0.4024, 0.4972

Deuteranomaly

16.8060, 0.4155, 0.4759

Tritanomaly

16.8098, 0.3133, 0.3947

Monochromacy



Original Color

17.2318, 0.3569, 0.5296

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.6377, 0.3380, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2318, 0.3569, 0.5296 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(86, 127, 26)` looks like.

```
.text, #text, p{  
    color:rgb(86, 127, 26)  
}
```

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(86, 127, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 127, 26) }
```

Border

The CSS property to change the border of an element to Yxy 17.2318, 0.3569, 0.5296 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(86, 127, 26) }
```

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

```
.border{ border-color:rgb(86, 127, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 127, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 127, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 127, 26);  
box-shadow:4px 4px 4px 4px rgb(86, 127,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2318, 0.3569, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 127, 26) }
```

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

```
.background{ background-color: rgb(86, 127,  
26) }
```

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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