

Converting Colors

$Y_{xy}(18.7241, 0.3589, 0.5310)$

Have a look what the booklet for
Yxy(18.7241, 0.3589, 0.5310)
contains.

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Color

Yxy(18.7464, 0.3586, 0.5316)

Conversions

Conversions Part 1

Format	Color
Hex	5A8419
RGB	90, 132, 25
RGB Percent	35%, 52%, 10%
CMY	0.6469, 0.4824, 0.9019
CMYK	0.32, 0.00, 0.81, 0.48
HSL	84°, 68%, 31%
HSV	84°, 81%, 52%
XYZ	12.6457, 18.7464, 3.8720
YIQ	107.2440, 9.3150, -42.1810

Conversions

Conversions Part 2

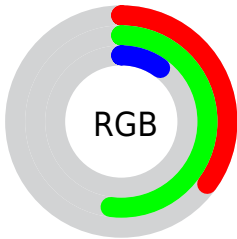
Format	Color
R_{YB}	25, 132, 67
Decimal	5932057
CIE _{Lab}	50.39, -30.91, 48.70
CIE _{LCh}	50, 57.675, 122.403
Yxy	18.7464, 0.3586, 0.5316
Android (android.graphics.Color)	4284122137 (0xFF5A8419)
YUV	107.2440, -40.5463, -15.1230
Hunter-Lab	43.2971, -23.6358, 25.0058

Details

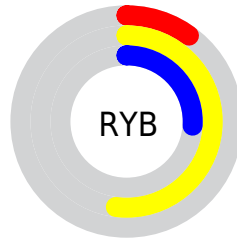
The Yxy color **18.7464, 0.3586, 0.5316** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.5540, 0.2098, 0.1092**, and the grayscale version is **14.8899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1917, 0.3552, 0.4834**, and **6.4467, 0.3376, 0.5702** is the 20% darker color. If you saturate the color by 10%, you get **18.4523, 0.3568, 0.5464**, and if you desaturate by 10%, it is **19.0872, 0.3581, 0.5122**.

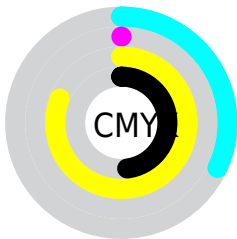
Distribution



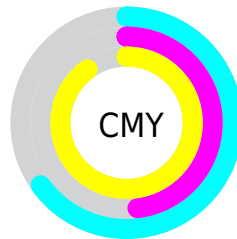
- Red (35%)
- Green (52%)
- Blue (10%)



- Red (10%)
- Yellow (52%)
- Blue (26%)



- Cyan (32%)
- Magenta (0%)
- Yellow (81%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7464, 0.3586, 0.5316 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 18.7464, 0.3586, 0.5316 by changing the saturation by 10% instead.


 18.7464, 0.3586,
0.5316


 18.7464, 0.3586,
0.5316


245.0452, 0.3405,
0.4124


 11.4872, 0.3576,
0.5658


 41.3051, 0.3549,
0.4843


 6.3955, 0.3557,
0.6193


 57.3734, 0.3525,
0.4676


 3.0870, 0.3298,
0.6702

 77.1469, 0.3500,
0.4540

 1.1773, 0.2234,
0.7766

 101.0099, 0.3478,
0.4428


 0.0431, 0.0000,
1.0000


 129.3468, 0.3457,
0.4334

 0.0000, 0.0000,
0.0000


 162.5421, 0.3438,

0.4253


 200.9800, 0.3421,
0.4184


 18.7464, 0.3586,
0.5316


 18.7464, 0.3586,
0.5316


 18.4523, 0.3568,
0.5464

 19.0872, 0.3581,
0.5122

 18.2169, 0.3541,
0.5571

 19.4758, 0.3555,
0.4890

 19.9164, 0.3509,
0.4632

 20.4118, 0.3448,
0.4360

 20.9647, 0.3377,
0.4084

■ 21.5774, 0.3298,
0.3814

■ 22.2522, 0.3217,
0.3556

■ 22.9912, 0.3136,
0.3314

■ 23.7965, 0.3056,
0.3091

Harmonies

Analogous

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



18.7464, 0.4498, 0.4855



18.7464, 0.3586, 0.5316



18.7464, 0.2611, 0.4957

Triad

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



18.7464, 0.3586, 0.5316



18.7464, 0.1415, 0.1998



18.7464, 0.4491, 0.2725

Complementary

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



18.7464, 0.3586, 0.5316



3.5540, 0.2098, 0.1092

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.



18.7464, 0.3384, 0.2174



18.7464, 0.3586, 0.5316



18.7464, 0.1718, 0.1762

Square

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



18.7464, 0.3586, 0.5316



18.7464, 0.1439, 0.2650



18.7464, 0.2374, 0.1836



18.7464, 0.5169, 0.3394

Rectangle

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



18.7464, 0.3586, 0.5316



18.7464, 0.2053, 0.4215



18.7464, 0.2374, 0.1836



18.7464, 0.4142, 0.2524

Sweetspot

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



18.7472, 0.3586, 0.5316



37.6223, 0.3326, 0.3907



8.8746, 0.5166, 0.3938



8.6819, 0.3350, 0.3991



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.7472, 0.3586, 0.5316



32.1353, 0.3539, 0.5551



16.9744, 0.3080, 0.5678



5.3343, 0.3201, 0.3508



17.6426, 0.3541, 0.5570



0.0654, 0.3841, 0.5332

Inverse Universe

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



3.5540, 0.2098, 0.1092



4.3527, 0.1871, 0.0820



6.3201, 0.2979, 0.1545



4.6270, 0.3048, 0.3070



2.3171, 0.1861, 0.0799



0.0120, 0.2351, 0.1069

Previews

White Background



This preview shows how the Yxy color 18.7464, 0.3586, 0.5316 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7464, 0.3586, 0.5316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

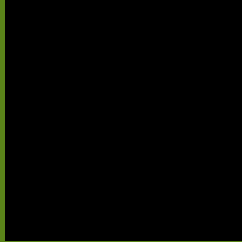
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7464, 0.3586, 0.5316

Background



This preview shows how black text looks on a background with the Yxy color 18.7464, 0.3586, 0.5316.



This preview shows how white text looks on a background with the Yxy color 18.7464, 0.3586, 0.5316.

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

18.7464, 0.3586, 0.5316

Protanopia

18.6418, 0.4325, 0.4784

Deuteranopia

18.4156, 0.4543, 0.4453



Tritanopia

18.7429, 0.2792, 0.3094

Trichromacy



Original Color

18.7464, 0.3586, 0.5316

Protanomaly

18.3991, 0.4052, 0.4981

Deuteranomaly

18.1211, 0.4181, 0.4776

Tritanomaly

18.3265, 0.3142, 0.3966

Monochromacy



Original Color

18.7464, 0.3586, 0.5316

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7933, 0.3397, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7464, 0.3586, 0.5316 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(90, 132, 25)` looks like.

```
.text, #text, p{  
    color:rgb(90, 132, 25)  
}
```

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(90, 132, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 132, 25) }
```

Border

The CSS property to change the border of an element to Yxy 18.7464, 0.3586, 0.5316 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(90, 132, 25) }
```

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

```
.border{ border-color:rgb(90, 132, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 132, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 132, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 132, 25);  
box-shadow:4px 4px 4px 4px rgb(90, 132,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7464, 0.3586, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 132, 25) }
```

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

```
.background{ background-color: rgb(90, 132,  
25) }
```

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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