

Converting Colors

$Y_{xy}(18.6036, 0.3174, 0.5282)$

Have a look what the booklet for
Yxy(18.6036, 0.3174, 0.5282)
contains.

Yxy(18.5742, 0.3175, 0.5271)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5742, 0.3175, 0.5271)

Conversions

Conversions Part 1

Format	Color
Hex	3F872D
RGB	63, 135, 45
RGB Percent	25%, 53%, 18%
CMY	0.7529, 0.4706, 0.8236
CMYK	0.53, 0.00, 0.67, 0.47
HSL	108°, 50%, 35%
HSV	108°, 67%, 53%
XYZ	11.1882, 18.5742, 5.4761
YIQ	103.2120, -14.0220, -43.2540

Conversions

Conversions Part 2

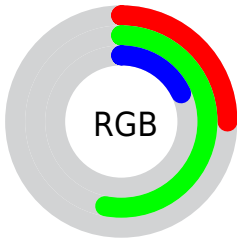
Format	Color
RYB	45, 135, 117
Decimal	4163373
CIELab	50.19, -40.24, 40.29
CIElCh	50, 56.940, 134.964
Yxy	18.5742, 0.3175, 0.5271
Android (android.graphics.Color)	4282353453 (0xFF3F872D)
YUV	103.2120, -28.6985, -35.2659
Hunter-Lab	43.0978, -29.0824, 22.6350

Details

The Yxy color **18.5742, 0.3175, 0.5271** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.4040, 0.2891, 0.1693**, and the grayscale version is **13.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0033, 0.3213, 0.4774**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.1658, 0.3154, 0.5538**, and if you desaturate by 10%, it is **19.0872, 0.3187, 0.4965**.

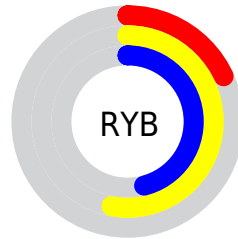
Distribution



Red (25%)

Green (53%)

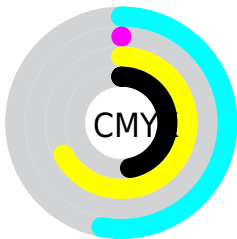
Blue (18%)



Red (18%)

Yellow (53%)

Blue (46%)

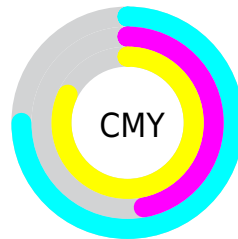


Cyan (53%)

Magenta (0%)

Yellow (67%)

Black (47%)



Cyan (75%)


Magenta (47%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5742, 0.3175, 0.5271 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 18.5742, 0.3175, 0.5271 by changing the saturation by 10% instead.


 18.5742, 0.3175,
0.5271


 18.5742, 0.3175,
0.5271


244.0879, 0.3212,
0.4066


 11.3630, 0.3117,
0.5656


 41.0133, 0.3216,
0.4772


 6.3116, 0.2993,
0.6200


 57.0101, 0.3221,
0.4604


 3.0354, 0.2797,
0.7203

 76.7042, 0.3223,
0.4469

 1.1503, 0.0722,
0.9278

 100.4799, 0.3222,
0.4358

 0.0205, 0.0000,
1.0000

 128.7218, 0.3220,
0.4267

 0.0000, 0.0000,
0.0000

 161.8141, 0.3218,

0.4189

200.1414, 0.3215,
0.4123

■ 18.5742, 0.3175,
0.5271

■ 18.5742, 0.3175,
0.5271

■ 18.1658, 0.3154,
0.5538

■ 19.0872, 0.3187,
0.4965

■ 17.8522, 0.3124,
0.5747

■ 19.7090, 0.3189,
0.4641

■ 17.6237, 0.3090,
0.5892

■ 20.4465, 0.3184,
0.4316

■ 17.5619, 0.3081,
0.5935

■ 21.3052, 0.3173,
0.4004

■ 22.2904, 0.3158,
0.3714

■ 23.4071, 0.3140,
0.3451

■ 24.6597, 0.3121,
0.3215

■ 26.0529, 0.3101,
0.3006

■ 27.5907, 0.3081,
0.2822

Harmonies

Analogous

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



18.5742, 0.4133, 0.5096



18.5742, 0.3175, 0.5271



18.5742, 0.2254, 0.4508

Triad

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



18.5742, 0.3175, 0.5271



18.5742, 0.1514, 0.1868



18.5742, 0.4840, 0.3000

Complementary

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



18.5742, 0.3175, 0.5271



7.4040, 0.2891, 0.1693

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.



18.5742, 0.3857, 0.2391



18.5742, 0.3175, 0.5271



18.5742, 0.1956, 0.1770

Square

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



18.5742, 0.3175, 0.5271



18.5742, 0.1401, 0.2327



18.5742, 0.2764, 0.1957



18.5742, 0.5217, 0.3693

Rectangle

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



18.5742, 0.3175, 0.5271



18.5742, 0.1794, 0.3670



18.5742, 0.2764, 0.1957



18.5742, 0.4560, 0.2784

Sweetspot

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



18.5750, 0.3175, 0.5271



39.2254, 0.3164, 0.3820



17.7154, 0.4228, 0.4497



8.9841, 0.3168, 0.3891



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.5750, 0.3175, 0.5271



32.2234, 0.3140, 0.5653



18.3341, 0.2856, 0.4819



5.2464, 0.3144, 0.3512



16.1990, 0.3083, 0.5934



0.0587, 0.3332, 0.5736

Inverse Universe

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



7.4040, 0.2891, 0.1693



10.6179, 0.2814, 0.1450



8.1412, 0.3676, 0.2182



4.7170, 0.3108, 0.3074



4.5555, 0.2721, 0.1273



0.0187, 0.2969, 0.1409

Previews

White Background



This preview shows how the Yxy color 18.5742, 0.3175, 0.5271 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 18.5742, 0.3175, 0.5271 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 18.5742, 0.3175, 0.5271

Background



This preview shows how black text looks on a background with the Yxy color 18.5742, 0.3175, 0.5271.



This preview shows how white text looks on a background with the Yxy color 18.5742, 0.3175, 0.5271.

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

18.5742, 0.3175, 0.5271

Protanopia

18.3403, 0.4192, 0.4612

Deuteranopia

18.2612, 0.4355, 0.4285



Tritanopia

18.4486, 0.2558, 0.3085

Trichromacy



Original Color

18.5742, 0.3175, 0.5271

Protanomaly

18.0225, 0.3777, 0.4885

Deuteranomaly

17.6095, 0.3867, 0.4666

Tritanomaly

18.1356, 0.2798, 0.3867

Monochromacy



Original Color

18.5742, 0.3175, 0.5271

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.9454, 0.3167, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5742, 0.3175, 0.5271 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(63, 135, 45)` looks like.

```
.text, #text, p{  
    color:rgb(63, 135, 45)  
}
```

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(63, 135, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 135, 45) }
```

Border

The CSS property to change the border of an element to Yxy 18.5742, 0.3175, 0.5271 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(63, 135, 45) }
```

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

```
.border{ border-color:rgb(63, 135, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 135, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 135, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 135, 45);  
box-shadow:4px 4px 4px 4px rgb(63, 135,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5742, 0.3175, 0.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 135, 45) }
```

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

```
.background{ background-color: rgb(63, 135,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor