

Converting Colors

$Y_{xy}(18.6020, 0.3143, 0.5764)$

Have a look what the booklet for
Yxy(18.6020, 0.3143, 0.5764)
contains.

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Color

Yxy(18.4642, 0.3143, 0.5758)

Conversions

Conversions Part 1

Format	Color
Hex	2C8910
RGB	44, 137, 16
RGB Percent	17%, 54%, 6%
CMY	0.8274, 0.4627, 0.9371
CMYK	0.68, 0.00, 0.88, 0.46
HSL	106°, 79%, 30%
HSV	106°, 88%, 54%
XYZ	10.0787, 18.4642, 3.5242
YIQ	95.3990, -16.5870, -57.3470

Conversions

Conversions Part 2

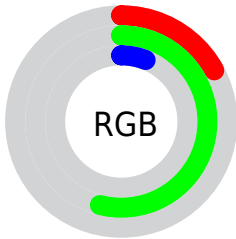
Format	Color
R_{YB}	16, 137, 109
Decimal	2918672
CIE Lab	50.05, -48.06, 50.15
CIE LCh	50, 69.458, 133.780
Yxy	18.4642, 0.3143, 0.5758
Android (android.graphics.Color)	4281108752 (0xFF2C8910)
YUV	95.3990, -39.1437, -45.0769
Hunter-Lab	42.9700, -33.3301, 25.2163

Details

The Yxy color **18.4642, 0.3143, 0.5758** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.4304, 0.2714, 0.1338**, and the grayscale version is **11.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6857, 0.3232, 0.5148**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2281, 0.3106, 0.5897**, and if you desaturate by 10%, it is **18.7835, 0.3176, 0.5560**.

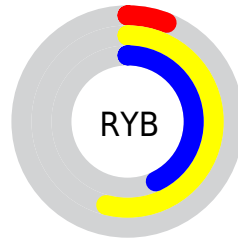
Distribution



Red (17%)

Green (54%)

Blue (6%)



Red (6%)

Yellow (54%)

Blue (43%)

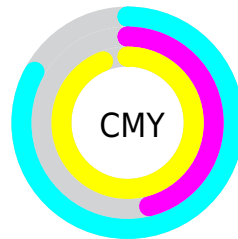


Cyan (68%)

Magenta (0%)

Yellow (88%)

Black (46%)



Cyan (83%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4642, 0.3143, 0.5758 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 18.4642, 0.3143, 0.5758 by changing the saturation by 10% instead.


 18.4642, 0.3143,
0.5758

 18.4642, 0.3143,
0.5758


243.4747, 0.3242,
0.4260


 11.2838, 0.3035,
0.6212


 40.8267, 0.3227,
0.5147


 6.2580, 0.2889,
0.6981


 56.7776, 0.3241,
0.4937


 3.0026, 0.2385,
0.7615

 76.4208, 0.3248,
0.4768

 1.1331, 0.0000,
1.0000

 100.1407, 0.3250,
0.4629

 0.0060, 0.0000,
1.0000


 128.3216, 0.3249,
0.4514


 0.0000, 0.0000,
0.0000


 161.3479, 0.3248,


0.4416


 199.6042, 0.3245,
0.4332


 18.4642, 0.3143,
0.5758


 18.4642, 0.3143,
0.5758

 18.2281, 0.3106,
0.5897


 18.7835, 0.3176,
0.5560

 18.1937, 0.3101,
0.5920

 19.1958, 0.3198,
0.5304

 19.7090, 0.3210,
0.5006

 20.3296, 0.3211,
0.4686

 21.0636, 0.3203,
0.4363

■ 21.9164, 0.3188,
0.4051

■ 22.8931, 0.3169,
0.3759

■ 23.9985, 0.3147,
0.3491

■ 25.2372, 0.3123,
0.3251

Harmonies

Analogous

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



18.4642, 0.4252, 0.5353



18.4642, 0.3143, 0.5758



18.4642, 0.2083, 0.4882

Triad

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



18.4642, 0.3143, 0.5758



18.4642, 0.1259, 0.1637



18.4642, 0.5171, 0.2875

Complementary

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



18.4642, 0.3143, 0.5758



5.4304, 0.2714, 0.1338

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.



18.4642, 0.3943, 0.2206



18.4642, 0.3143, 0.5758



18.4642, 0.1726, 0.1533

Square

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



18.4642, 0.3143, 0.5758



18.4642, 0.1140, 0.2145



18.4642, 0.2630, 0.1733



18.4642, 0.5610, 0.3628

Rectangle

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



18.4642, 0.3143, 0.5758



18.4642, 0.1561, 0.3792



18.4642, 0.2630, 0.1733



18.4642, 0.4821, 0.2639

Sweetspot

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



18.4650, 0.3143, 0.5758



39.5326, 0.3185, 0.3999



16.2456, 0.4544, 0.4656



8.7580, 0.3190, 0.4089



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.



18.4650, 0.3143, 0.5758



32.5175, 0.3090, 0.5929



18.2179, 0.2874, 0.5398



5.6604, 0.3149, 0.3513



16.9520, 0.3103, 0.5918



0.1183, 0.3378, 0.5700

Inverse Universe

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



5.4304, 0.2714, 0.1338



8.5706, 0.2631, 0.1223



6.7048, 0.3875, 0.1993



5.0717, 0.3103, 0.3072



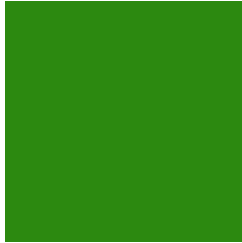
4.5030, 0.2645, 0.1231



0.0365, 0.2929, 0.1387

Previews

White Background



This preview shows how the Yxy color 18.4642, 0.3143, 0.5758 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 18.4642, 0.3143, 0.5758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

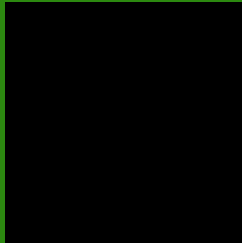
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4642, 0.3143, 0.5758

Background



This preview shows how black text looks on a background with the Yxy color 18.4642, 0.3143, 0.5758.



This preview shows how white text looks on a background with the Yxy color 18.4642, 0.3143, 0.5758.

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

18.4642, 0.3143, 0.5758

Protanopia

18.2817, 0.4373, 0.4852

Deuteranopia

18.0877, 0.4558, 0.4465



Tritanopia

18.3158, 0.2458, 0.3062

Trichromacy



Original Color

18.4642, 0.3143, 0.5758

Protanomaly

17.7150, 0.3827, 0.5257

Deuteranomaly

17.1334, 0.3956, 0.4988

Tritanomaly

18.0329, 0.2771, 0.4143

Monochromacy



Original Color

18.4642, 0.3143, 0.5758

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.0817, 0.3201, 0.4390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4642, 0.3143, 0.5758 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(44, 137, 16)` looks like.

```
.text, #text, p{  
    color:rgb(44, 137, 16)  
}
```

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(44, 137, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 137, 16) }
```

Border

The CSS property to change the border of an element to Yxy 18.4642, 0.3143, 0.5758 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(44, 137, 16) }
```

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

```
.border{ border-color:rgb(44, 137, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 137, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 137, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 137, 16);  
box-shadow:4px 4px 4px 4px rgb(44, 137,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4642, 0.3143, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 137, 16) }
```

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

```
.background{ background-color: rgb(44, 137,  
16) }
```

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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