

Converting Colors

$Y_{xy}(15.9269, 0.2918, 0.5396)$

Have a look what the booklet for
Yxy(15.9269, 0.2918, 0.5396)
contains.

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Color

Yxy(15.8269, 0.2918, 0.5386)

Conversions

Conversions Part 1

Format	Color
Hex	19802C
RGB	25, 128, 44
RGB Percent	10%, 50%, 17%
CMY	0.9019, 0.4980, 0.8275
CMYK	0.80, 0.00, 0.66, 0.50
HSL	131°, 67%, 30%
HSV	131°, 80%, 50%
XYZ	8.5746, 15.8269, 4.9837
YIQ	87.6270, -34.4240, -47.9600

Conversions

Conversions Part 2

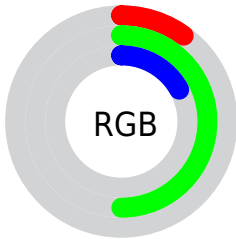
Format	Color
R _Y B	25, 112, 128
Decimal	1671212
CIE Lab	46.75, -46.21, 36.64
CIE LCh	47, 58.975, 141.589
Yxy	15.8269, 0.2918, 0.5386
Android (android.graphics.Color)	4279861292 (0xFF19802C)
YUV	87.6270, -21.5081, -54.9239
Hunter-Lab	39.7830, -31.1474, 20.4207

Details

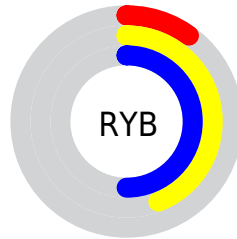
The Yxy color **15.8269, 0.2918, 0.5386** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.3901, 0.3588, 0.1909**, and the grayscale version is **9.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3209, 0.3022, 0.4829**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.6316, 0.2928, 0.5612**, and if you desaturate by 10%, it is **16.1179, 0.2919, 0.5121**.

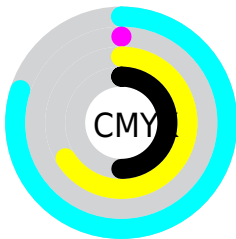
Distribution



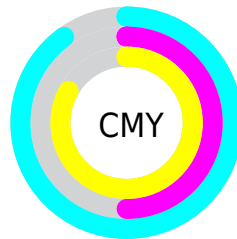
- Red (10%)
- Green (50%)
- Blue (17%)



- Red (10%)
- Yellow (44%)
- Blue (50%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (50%)





- Cyan (90%)
- Magenta (50%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8269, 0.2918, 0.5386 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 15.8269, 0.2918, 0.5386 by changing the saturation by 10% instead.


 15.8269, 0.2918,
0.5386


 15.8269, 0.2918,
0.5386


228.3181, 0.3108,
0.4067


 9.4017, 0.2807,
0.5839


 36.2974, 0.3023,
0.4822


 5.0041, 0.2609,
0.6527

 51.1116, 0.3049,
0.4638

 2.2497, 0.2199,
0.7801

 69.4909, 0.3068,
0.4492

 0.7469, 0.0000,
1.0000

 91.8197, 0.3081,
0.4374

 0.0000, 0.0000,
0.0000

 118.4825, 0.3090,
0.4277

 149.8635, 0.3098,

0.4196

186.3473, 0.3103,
0.4127

■ 15.8269, 0.2918,
0.5386

■ 15.8269, 0.2918,
0.5386

■ 15.6316, 0.2928,
0.5612

■ 16.1179, 0.2919,
0.5121

■ 15.5032, 0.2940,
0.5784

■ 16.5129, 0.2931,
0.4833

■ 17.0217, 0.2953,
0.4538

■ 17.6522, 0.2982,
0.4249

■ 18.4117, 0.3015,
0.3976

■ 19.3069, 0.3051,
0.3726

■ 20.3440, 0.3089,
0.3500

■ 21.5290, 0.3125,
0.3299

■ 22.8672, 0.3161,
0.3122

Harmonies

Analogous

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



15.8269, 0.3955, 0.5347



15.8269, 0.2918, 0.5386



15.8269, 0.1987, 0.4334

Triad

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



15.8269, 0.2918, 0.5386



15.8269, 0.1478, 0.1714



15.8269, 0.5152, 0.3115

Complementary

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



15.8269, 0.2918, 0.5386



6.3901, 0.3588, 0.1909

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.



15.8269, 0.4187, 0.2452



15.8269, 0.2918, 0.5386



15.8269, 0.2022, 0.1688

Square

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



15.8269, 0.2918, 0.5386



15.8269, 0.1285, 0.2092



15.8269, 0.2969, 0.1946



15.8269, 0.5360, 0.3852

Rectangle

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



15.8269, 0.2918, 0.5386



15.8269, 0.1567, 0.3391



15.8269, 0.2969, 0.1946



15.8269, 0.4899, 0.2884

Sweetspot

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



15.8276, 0.2918, 0.5386



33.3166, 0.3036, 0.3825



18.7681, 0.3865, 0.5103



7.6897, 0.3025, 0.3902



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.



15.8276, 0.2918, 0.5386



27.3326, 0.2944, 0.5769



16.4792, 0.2535, 0.4095



4.8307, 0.3094, 0.3471



15.3720, 0.2940, 0.5784



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.3901, 0.3588, 0.1909



9.9695, 0.3713, 0.1834



5.5869, 0.4978, 0.2780



4.3993, 0.3163, 0.3116



5.5503, 0.3719, 0.1823



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.8269, 0.2918, 0.5386 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 15.8269, 0.2918, 0.5386 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 15.8269, 0.2918, 0.5386

Background



This preview shows how black text looks on a background with the Yxy color 15.8269, 0.2918, 0.5386.



This preview shows how white text looks on a background with the Yxy color 15.8269, 0.2918, 0.5386.

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

15.8269, 0.2918, 0.5386

Protanopia

15.5093, 0.4176, 0.4590

Deuteranopia

15.5764, 0.4308, 0.4246



Tritanopia

15.8587, 0.2397, 0.3088

Trichromacy



Original Color

15.8269, 0.2918, 0.5386

Protanomaly

14.9089, 0.3562, 0.4967

Deuteranomaly

14.5105, 0.3659, 0.4715

Tritanomaly

15.6056, 0.2593, 0.3902

Monochromacy



Original Color

15.8269, 0.2918, 0.5386

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.2922, 0.2996, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8269, 0.2918, 0.5386 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(25, 128, 44)` looks like.

```
.text, #text, p{  
    color:rgb(25, 128, 44)  
}
```

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(25, 128, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 128, 44) }
```

Border

The CSS property to change the border of an element to Yxy 15.8269, 0.2918, 0.5386 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(25, 128, 44) }
```

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

```
.border{ border-color:rgb(25, 128, 44) }
```

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

Here you see how a box with a 4 pixel rgb(25, 128, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 128, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 128, 44);  
box-shadow:4px 4px 4px 4px rgb(25, 128,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8269, 0.2918, 0.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 128, 44) }
```

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

```
.background{ background-color: rgb(25, 128,  
44) }
```

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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