

Converting Colors

$Y_{xy}(16.8087, 0.3045, 0.5260)$

Have a look what the booklet for
Yxy(16.8087, 0.3045, 0.5260)
contains.

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Color

Yxy(16.7989, 0.3042, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	30822F
RGB	48, 130, 47
RGB Percent	19%, 51%, 18%
CMY	0.8119, 0.4902, 0.8157
CMYK	0.63, 0.00, 0.64, 0.49
HSL	119°, 47%, 35%
HSV	119°, 64%, 51%
XYZ	9.7134, 16.7989, 5.4187
YIQ	96.0200, -22.2290, -43.1970

Conversions

Conversions Part 2

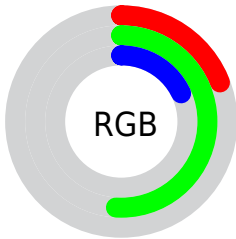
Format	Color
R_{YB}	47, 130, 129
Decimal	3179055
CIE _{Lab}	48.01, -42.12, 36.79
CIE _{LCh}	48, 55.925, 138.865
Yxy	16.7989, 0.3042, 0.5261
Android (android.graphics.Color)	4281369135 (0xFF30822F)
YUV	96.0200, -24.1669, -42.1135
Hunter-Lab	40.9865, -29.4235, 20.8520

Details

The Yxy color **16.7989, 0.3042, 0.5261** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.3134, 0.3176, 0.1872**, and the grayscale version is **11.7644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0686, 0.3115, 0.4751**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.4417, 0.3028, 0.5550**, and if you desaturate by 10%, it is **17.2793, 0.3057, 0.4932**.

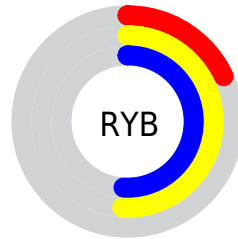
Distribution



Red (19%)

Green (51%)

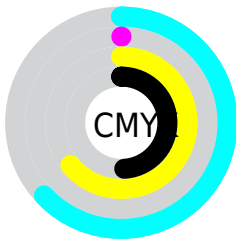
Blue (18%)



Red (18%)

Yellow (51%)

Blue (51%)

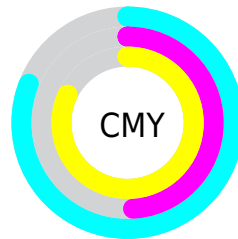


Cyan (63%)

Magenta (0%)

Yellow (64%)

Black (49%)



Cyan (81%)


Magenta (49%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7989, 0.3042, 0.5261 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 16.7989, 0.3042, 0.5261 by changing the saturation by 10% instead.


 16.7989, 0.3042,
0.5261


 16.7989, 0.3042,
0.5261


234.0108, 0.3152,
0.4037


 10.0912, 0.2962,
0.5671


 37.9797, 0.3111,
0.4744


 5.4595, 0.2806,
0.6271

 53.2216, 0.3127,
0.4573


 2.5193, 0.2559,
0.7441

 72.0770, 0.3137,
0.4437

 0.8863, 0.0000,
1.0000

 94.9304, 0.3143,
0.4327

 0.0000, 0.0000,
0.0000

 122.1660, 0.3147,
0.4236

 154.1684, 0.3150,

0.4159

191.3219, 0.3151,
0.4094

■ 16.7989, 0.3042,
0.5261

■ 16.7989, 0.3042,
0.5261

■ 16.4417, 0.3028,
0.5550

■ 17.2793, 0.3057,
0.4932

■ 16.1946, 0.3016,
0.5776

■ 17.8903, 0.3073,
0.4588

■ 16.0451, 0.3007,
0.5923

■ 18.6414, 0.3088,
0.4249

■ 15.9767, 0.3004,
0.5997

■ 19.5404, 0.3101,
0.3930

■ 20.5948, 0.3113,
0.3640

■ 21.8113, 0.3124,
0.3381

■ 23.1965, 0.3132,
0.3154

■ 24.7563, 0.3140,
0.2957

■ 26.4965, 0.3146,
0.2787

Harmonies

Analogous

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



16.7989, 0.4020, 0.5184



16.7989, 0.3042, 0.5261



16.7989, 0.2136, 0.4370

Triad

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



16.7989, 0.3042, 0.5261



16.7989, 0.1534, 0.1819



16.7989, 0.4958, 0.3081

Complementary

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



16.7989, 0.3042, 0.5261



8.3134, 0.3176, 0.1872

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.



16.7989, 0.4016, 0.2452



16.7989, 0.3042, 0.5261



16.7989, 0.2026, 0.1762

Square

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



16.7989, 0.3042, 0.5261



16.7989, 0.1378, 0.2227



16.7989, 0.2890, 0.1985



16.7989, 0.5239, 0.3786

Rectangle

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



16.7989, 0.3042, 0.5261



16.7989, 0.1705, 0.3508



16.7989, 0.2890, 0.1985



16.7989, 0.4700, 0.2860

Sweetspot

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



16.7996, 0.3042, 0.5261



35.1960, 0.3107, 0.3798



20.5526, 0.4000, 0.4692



7.8679, 0.3104, 0.3869



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.



16.7996, 0.3042, 0.5261



28.7166, 0.3021, 0.5670



17.2609, 0.2724, 0.4322



4.8210, 0.3118, 0.3512



15.3179, 0.3004, 0.5997



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.3134, 0.3176, 0.1872



12.4610, 0.3181, 0.1672



7.5148, 0.4016, 0.2502



4.4099, 0.3135, 0.3077



5.9807, 0.3181, 0.1526



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7989, 0.3042, 0.5261 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 16.7989, 0.3042, 0.5261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

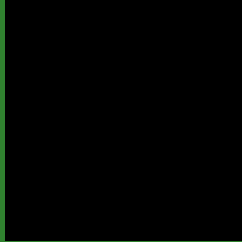
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7989, 0.3042, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 16.7989, 0.3042, 0.5261.



This preview shows how white text looks on a background with the Yxy color 16.7989, 0.3042, 0.5261.

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

16.7989, 0.3042, 0.5261

Protanopia

16.4130, 0.4157, 0.4570

Deuteranopia

16.5669, 0.4296, 0.4225



Tritanopia

16.8502, 0.2478, 0.3075

Trichromacy



Original Color

16.7989, 0.3042, 0.5261

Protanomaly

15.9722, 0.3675, 0.4856

Deuteranomaly

15.8556, 0.3766, 0.4626

Tritanomaly

16.5989, 0.2692, 0.3850

Monochromacy



Original Color

16.7989, 0.3042, 0.5261

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.9374, 0.3105, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7989, 0.3042, 0.5261 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(48, 130, 47)` looks like.

```
.text, #text, p{  
    color:rgb(48, 130, 47)  
}
```

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(48, 130, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 130, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.7989, 0.3042, 0.5261 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(48, 130, 47) }
```

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

```
.border{ border-color:rgb(48, 130, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 130, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 130, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 130, 47);  
box-shadow:4px 4px 4px 4px rgb(48, 130,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7989, 0.3042, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 130, 47) }
```

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

```
.background{ background-color: rgb(48, 130,  
47) }
```

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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