

Converting Colors

$Yxy(16.4578, 0.3279, 0.5427)$

Have a look what the booklet for
Yxy(16.4578, 0.3279, 0.5427)
contains.

Yxy(16.3344, 0.3279, 0.5418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3344, 0.3279, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	3F7F1F
RGB	63, 127, 31
RGB Percent	25%, 50%, 12%
CMY	0.7530, 0.5019, 0.8784
CMYK	0.50, 0.00, 0.76, 0.50
HSL	100°, 61%, 31%
HSV	100°, 76%, 50%
XYZ	9.8857, 16.3344, 3.9283
YIQ	96.9200, -7.3280, -43.4240

Conversions

Conversions Part 2

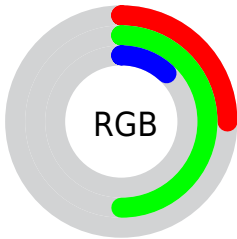
Format	Color
R_{YB}	31, 127, 95
Decimal	4161311
CIE _{Lab}	47.41, -38.18, 43.24
CIE _{LCh}	47, 57.685, 131.443
Yxy	16.3344, 0.3279, 0.5418
Android (android.graphics.Color)	4282351391 (0xFF3F7F1F)
YUV	96.9200, -32.4986, -29.7478
Hunter-Lab	40.4158, -27.0669, 22.5282

Details

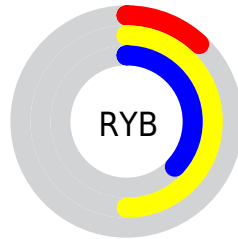
The Yxy color **16.3344, 0.3279, 0.5418** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.9473, 0.2618, 0.1432**, and the grayscale version is **12.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0336, 0.3312, 0.4872**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.0232, 0.3250, 0.5629**, and if you desaturate by 10%, it is **16.7164, 0.3293, 0.5159**.

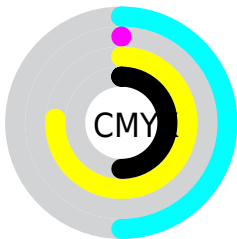
Distribution



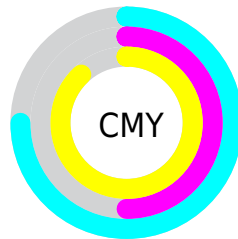
- Red (25%)
- Green (50%)
- Blue (12%)



- Red (12%)
- Yellow (50%)
- Blue (37%)



- Cyan (50%)
- Magenta (0%)
- Yellow (76%)
- Black (50%)




- Cyan (75%)
- Magenta (50%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3344, 0.3279, 0.5418 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 16.3344, 0.3279, 0.5418 by changing the saturation by 10% instead.


 16.3344, 0.3279,
0.5418


 16.3344, 0.3279,
0.5418


231.3069, 0.3269,
0.4111


 9.7611, 0.3218,
0.5834


 37.1778, 0.3309,
0.4876

 5.2408, 0.3127,
0.6524

 52.2166, 0.3308,
0.4692


 2.3893, 0.2739,
0.7261

 70.8461, 0.3303,
0.4546

 0.8204, 0.0000,
1.0000


 93.4506, 0.3296,
0.4426

 0.0000, 0.0000,
0.0000

 120.4146, 0.3289,
0.4327


 152.1224, 0.3282,


0.4244

 188.9583, 0.3275,
0.4172


 16.3344, 0.3279,
0.5418


 16.3344, 0.3279,
0.5418


 16.0232, 0.3250,
0.5629


 16.7164, 0.3293,
0.5159


 15.7741, 0.3209,
0.5785

 17.1716, 0.3292,
0.4867

 15.6786, 0.3192,
0.5848

 17.7049, 0.3278,
0.4560

 18.3201, 0.3254,
0.4252

 19.0208, 0.3223,
0.3956

■ 19.8102, 0.3187,
0.3678

■ 20.6914, 0.3149,
0.3422

■ 21.6676, 0.3110,
0.3191

■ 22.7414, 0.3071,
0.2984

Harmonies

Analogous

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



16.3344, 0.4268, 0.5106



16.3344, 0.3279, 0.5418



16.3344, 0.2302, 0.4731

Triad

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



16.3344, 0.3279, 0.5418



16.3344, 0.1416, 0.1836



16.3344, 0.4840, 0.2897

Complementary

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



16.3344, 0.3279, 0.5418



4.9473, 0.2618, 0.1432

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.



16.3344, 0.3753, 0.2284



16.3344, 0.3279, 0.5418



16.3344, 0.1829, 0.1701

Square

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



16.3344, 0.3279, 0.5418



16.3344, 0.1337, 0.2358



16.3344, 0.2622, 0.1864



16.3344, 0.5318, 0.3601

Rectangle

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



16.3344, 0.3279, 0.5418



16.3344, 0.1796, 0.3847



16.3344, 0.2622, 0.1864



16.3344, 0.4521, 0.2678

Sweetspot

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



16.3351, 0.3279, 0.5418



34.3341, 0.3216, 0.3897



12.7968, 0.4520, 0.4418



7.9411, 0.3227, 0.3987



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.



16.3351, 0.3279, 0.5418



28.3450, 0.3219, 0.5750



15.6767, 0.2928, 0.5295



4.8829, 0.3163, 0.3509



15.8103, 0.3191, 0.5848



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9473, 0.2618, 0.1432



6.7631, 0.2466, 0.1177



6.6405, 0.3517, 0.1928



4.3429, 0.3088, 0.3074



3.4783, 0.2408, 0.1100



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3344, 0.3279, 0.5418 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 16.3344, 0.3279, 0.5418 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 16.3344, 0.3279, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 16.3344, 0.3279, 0.5418.



This preview shows how white text looks on a background with the Yxy color 16.3344, 0.3279, 0.5418.

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

16.3344, 0.3279, 0.5418

Protanopia

16.1031, 0.4284, 0.4726

Deuteranopia

16.0367, 0.4464, 0.4378



Tritanopia

16.2209, 0.2595, 0.3076

Trichromacy



Original Color

16.3344, 0.3279, 0.5418

Protanomaly

15.6900, 0.3881, 0.5006

Deuteranomaly

15.6129, 0.3983, 0.4771

Tritanomaly

15.9209, 0.2882, 0.3943

Monochromacy



Original Color

16.3344, 0.3279, 0.5418

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.1375, 0.3248, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3344, 0.3279, 0.5418 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, 127, 31)` looks like.

```
.text, #text, p{  
    color:rgb(63, 127, 31)  
}
```

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, 127, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 127, 31) }
```

Border

The CSS property to change the border of an element to Yxy 16.3344, 0.3279, 0.5418 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, 127, 31) }
```

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

```
.border{ border-color:rgb(63, 127, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 127, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 127, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 127, 31);  
box-shadow:4px 4px 4px 4px rgb(63, 127,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3344, 0.3279, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 127, 31) }
```

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

```
.background{ background-color: rgb(63, 127,  
31) }
```

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