

Converting Colors

$Y_{xy}(16.6230, 0.3478, 0.5341)$

Have a look what the booklet for
Yxy(16.6230, 0.3478, 0.5341)
contains.

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Color

Yxy(16.6205, 0.3473, 0.5345)

Conversions

Conversions Part 1

Format	Color
Hex	4E7E1B
RGB	78, 126, 27
RGB Percent	31%, 49%, 11%
CMY	0.6942, 0.5059, 0.8941
CMYK	0.38, 0.00, 0.79, 0.51
HSL	89°, 65%, 30%
HSV	89°, 79%, 49%
XYZ	10.7994, 16.6205, 3.6755
YIQ	100.3620, 3.1710, -40.9650

Conversions

Conversions Part 2

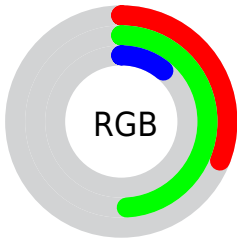
Format	Color
R_{YB}	27, 126, 75
Decimal	5144091
CIE _{Lab}	47.78, -32.73, 45.33
CIE _{LCh}	48, 55.910, 125.837
Yxy	16.6205, 0.3473, 0.5345
Android (android.graphics.Color)	4283334171 (0xFF4E7E1B)
YUV	100.3620, -36.1675, -19.6115
Hunter-Lab	40.7682, -24.0601, 23.1925




Details

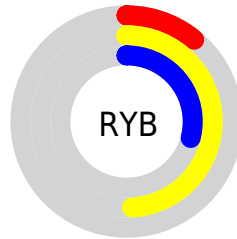
The Yxy color **16.6205, 0.3473, 0.5345** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.7871, 0.2282, 0.1224**, and the grayscale version is **12.9345, 0.3127, 0.3290**.




A 20% lighter version of the original color is **37.6300, 0.3458, 0.4839**, and **5.3756, 0.3230, 0.5817** is the 20% darker color. If you saturate the color by 10%, you get **16.3287, 0.3451, 0.5520**, and if you desaturate by 10%, it is **16.9628, 0.3475, 0.5124**.

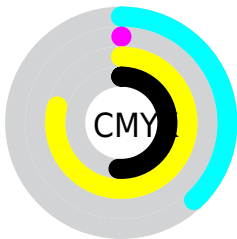
Distribution







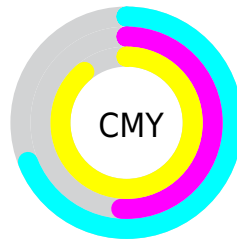
-  Red (31%)
-  Green (49%)
-  Blue (11%)






-  Red (11%)
-  Yellow (49%)
-  Blue (29%)



-  Cyan (38%)
-  Magenta (0%)
-  Yellow (79%)
-  Black (51%)





-  Cyan (69%)
-  Magenta (51%)
-  Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6205, 0.3473, 0.5345 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 16.6205, 0.3473, 0.5345 by changing the saturation by 10% instead.


 16.6205, 0.3473,
0.5345


 16.6205, 0.3473,
0.5345


232.9758, 0.3350,
0.4104


 9.9643, 0.3445,
0.5723


 37.6721, 0.3459,
0.4839


 5.3753, 0.3418,
0.6369

 52.8363, 0.3442,
0.4665

 2.4691, 0.3069,
0.6931

 71.6053, 0.3424,
0.4525

 0.8611, 0.0220,
0.9780


 94.3635, 0.3407,
0.4410


 0.0000, 0.0000,
0.0000


 121.4952, 0.3391,
0.4314

 153.3849, 0.3376,


0.4233

 190.4170, 0.3363,
0.4164


 16.6205, 0.3473,
0.5345


 16.6205, 0.3473,
0.5345

 16.3287, 0.3451,
0.5520


 16.9628, 0.3475,
0.5124


 16.0770, 0.3413,
0.5656

 17.3569, 0.3456,
0.4868

 16.0431, 0.3408,
0.5676

 17.8066, 0.3421,
0.4591

 18.3146, 0.3372,
0.4306

 18.8836, 0.3314,
0.4023

■ 19.5158, 0.3251,
0.3751

■ 20.2137, 0.3184,
0.3494

■ 20.9791, 0.3118,
0.3257

■ 21.8142, 0.3052,
0.3041

Harmonies

Analogous

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



16.6205, 0.4410, 0.4940



16.6205, 0.3473, 0.5345



16.6205, 0.2500, 0.4868

Triad

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



16.6205, 0.3473, 0.5345



16.6205, 0.1422, 0.1942



16.6205, 0.4614, 0.2793

Complementary

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



16.6205, 0.3473, 0.5345



3.7871, 0.2282, 0.1224

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.



16.6205, 0.3517, 0.2220



16.6205, 0.3473, 0.5345



16.6205, 0.1764, 0.1746

Square

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



16.6205, 0.3473, 0.5345



16.6205, 0.1408, 0.2543



16.6205, 0.2467, 0.1852



16.6205, 0.5217, 0.3473

Rectangle

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



16.6205, 0.3473, 0.5345



16.6205, 0.1962, 0.4075



16.6205, 0.2467, 0.1852



16.6205, 0.4276, 0.2585

Sweetspot

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



16.6212, 0.3473, 0.5345



33.6690, 0.3289, 0.3912



9.5273, 0.4892, 0.4122



7.5859, 0.3308, 0.3993



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.6212, 0.3473, 0.5345



28.4004, 0.3420, 0.5620



15.2584, 0.3025, 0.5658



4.9191, 0.3188, 0.3508



16.4546, 0.3408, 0.5676



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.7871, 0.2282, 0.1224



4.7583, 0.2070, 0.0946



6.6019, 0.3172, 0.1672



4.3061, 0.3062, 0.3072



2.5645, 0.2025, 0.0889



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6205, 0.3473, 0.5345 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 16.6205, 0.3473, 0.5345 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 16.6205, 0.3473, 0.5345

Background



This preview shows how black text looks on a background with the Yxy color 16.6205, 0.3473, 0.5345.



This preview shows how white text looks on a background with the Yxy color 16.6205, 0.3473, 0.5345.

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

16.6205, 0.3473, 0.5345

Protanopia

16.3882, 0.4302, 0.4756

Deuteranopia

16.3055, 0.4499, 0.4430



Tritanopia

16.4790, 0.2712, 0.3081

Trichromacy



Original Color

16.6205, 0.3473, 0.5345

Protanomaly

16.2783, 0.3974, 0.4991

Deuteranomaly

15.9960, 0.4101, 0.4766

Tritanomaly

16.1667, 0.3037, 0.3946

Monochromacy



Original Color

16.6205, 0.3473, 0.5345

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.6936, 0.3345, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6205, 0.3473, 0.5345 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(78, 126, 27)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 27)  
}
```

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(78, 126, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.6205, 0.3473, 0.5345 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(78, 126, 27) }
```

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

```
.border{ border-color:rgb(78, 126, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 27);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6205, 0.3473, 0.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 27) }
```

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

```
.background{ background-color: rgb(78, 126,  
27) }
```

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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