

Converting Colors

$Yxy(16.5911, 0.3205, 0.5083)$

Have a look what the booklet for
Yxy(16.5911, 0.3205, 0.5083)
contains.

Yxy(16.5938, 0.3207, 0.5089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5938, 0.3207, 0.5089)

Conversions

Conversions Part 1

Format	Color
Hex	437F31
RGB	67, 127, 49
RGB Percent	26%, 50%, 19%
CMY	0.7373, 0.5019, 0.8079
CMYK	0.47, 0.00, 0.61, 0.50
HSL	106°, 44%, 35%
HSV	106°, 61%, 50%
XYZ	10.4571, 16.5938, 5.5563
YIQ	100.1680, -10.7220, -36.9780

Conversions

Conversions Part 2

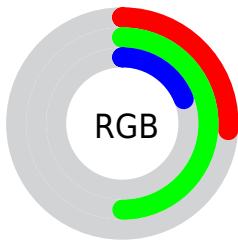
Format	Color
R_{YB}	49, 127, 109
Decimal	4423473
CIE _{Lab}	47.74, -35.17, 35.72
CIE _{LCh}	48, 50.131, 134.557
Yxy	16.5938, 0.3207, 0.5089
Android (android.graphics.Color)	4282613553 (0xFF437F31)
YUV	100.1680, -25.2258, -29.0883
Hunter-Lab	40.7355, -25.4647, 20.4278

Details

The Yxy color **16.5938, 0.3207, 0.5089** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.9808, 0.2878, 0.1787**, and the grayscale version is **12.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5174, 0.3235, 0.4620**, and **5.3529, 0.3052, 0.5959** is the 20% darker color. If you saturate the color by 10%, you get **16.1854, 0.3193, 0.5376**, and if you desaturate by 10%, it is **17.0922, 0.3211, 0.4776**.

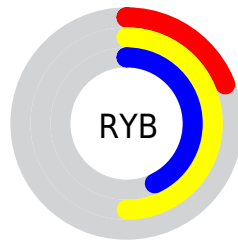
Distribution



Red (26%)

Green (50%)

Blue (19%)



Red (19%)

Yellow (50%)

Blue (43%)

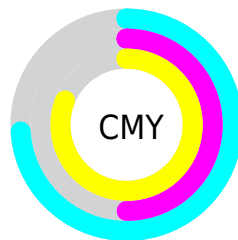


Cyan (47%)

Magenta (0%)

Yellow (61%)

Black (50%)



Cyan (74%)


Magenta (50%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5938, 0.3207, 0.5089 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 16.5938, 0.3207, 0.5089 by changing the saturation by 10% instead.


 16.5938, 0.3207,
0.5089


 16.5938, 0.3207,
0.5089


232.8206, 0.3212,
0.3980


 9.9453, 0.3165,
0.5457


 37.6260, 0.3231,
0.4623


 5.3627, 0.3064,
0.5990

 52.7786, 0.3232,
0.4468


 2.4616, 0.2929,
0.7071

 71.5346, 0.3230,
0.4345

 0.8573, 0.0000,
1.0000

 94.2785, 0.3227,
0.4245

 0.0000, 0.0000,
0.0000

 121.3946, 0.3223,
0.4162

 153.2674, 0.3220,

0.4092

190.2813, 0.3216,
0.4032

■ 16.5938, 0.3207,
0.5089

■ 16.5938, 0.3207,
0.5089

■ 16.1854, 0.3193,
0.5376

■ 17.0922, 0.3211,
0.4776

■ 15.8593, 0.3167,
0.5617

■ 17.6834, 0.3205,
0.4454

■ 15.6099, 0.3133,
0.5797

■ 18.3728, 0.3193,
0.4140

■ 15.4457, 0.3105,
0.5917

■ 19.1648, 0.3175,
0.3843

■ 20.0633, 0.3154,
0.3570

■ 21.0722, 0.3131,
0.3323

■ 22.1952, 0.3107,
0.3103

■ 23.4357, 0.3083,
0.2908

■ 24.7970, 0.3059,
0.2736

Harmonies

Analogous

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



16.5938, 0.4097, 0.4962



16.5938, 0.3207, 0.5089



16.5938, 0.2343, 0.4405

Triad

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



16.5938, 0.3207, 0.5089



16.5938, 0.1615, 0.1973



16.5938, 0.4686, 0.3027

Complementary

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



16.5938, 0.3207, 0.5089



6.9808, 0.2878, 0.1787

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.



16.5938, 0.3787, 0.2450



16.5938, 0.3207, 0.5089



16.5938, 0.2033, 0.1870

Square

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



16.5938, 0.3207, 0.5089



16.5938, 0.1515, 0.2421



16.5938, 0.2786, 0.2042



16.5938, 0.5054, 0.3685

Rectangle

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



16.5938, 0.3207, 0.5089



16.5938, 0.1905, 0.3660



16.5938, 0.2786, 0.2042



16.5938, 0.4428, 0.2822

Sweetspot

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



16.5945, 0.3207, 0.5089



34.7780, 0.3169, 0.3759



15.6294, 0.4153, 0.4399



8.0516, 0.3174, 0.3829



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.



16.5945, 0.3207, 0.5089



28.7105, 0.3183, 0.5487



16.2727, 0.2877, 0.4702



4.8629, 0.3148, 0.3510



15.5752, 0.3105, 0.5917



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9808, 0.2878, 0.1787



9.8371, 0.2794, 0.1517



7.7532, 0.3587, 0.2231



4.3640, 0.3103, 0.3075



4.1479, 0.2649, 0.1233



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.5938, 0.3207, 0.5089 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 16.5938, 0.3207, 0.5089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

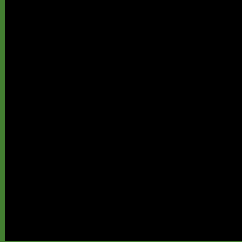
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5938, 0.3207, 0.5089

Background



This preview shows how black text looks on a background with the Yxy color 16.5938, 0.3207, 0.5089.



This preview shows how white text looks on a background with the Yxy color 16.5938, 0.3207, 0.5089.

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

16.5938, 0.3207, 0.5089

Protanopia

16.4353, 0.4129, 0.4530

Deuteranopia

16.2802, 0.4282, 0.4201



Tritanopia

16.5725, 0.2608, 0.3078

Trichromacy



Original Color

16.5938, 0.3207, 0.5089

Protanomaly

16.1574, 0.3766, 0.4754

Deuteranomaly

15.8024, 0.3851, 0.4517

Tritanomaly

16.4169, 0.2844, 0.3790

Monochromacy



Original Color

16.5938, 0.3207, 0.5089

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.8206, 0.3188, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5938, 0.3207, 0.5089 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(67, 127, 49)` looks like.

```
.text, #text, p{  
    color:rgb(67, 127, 49)  
}
```

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(67, 127, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 127, 49) }
```

Border

The CSS property to change the border of an element to Yxy 16.5938, 0.3207, 0.5089 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(67, 127, 49) }
```

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

```
.border{ border-color:rgb(67, 127, 49) }
```

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

Here you see how a box with a 4 pixel rgb(67, 127, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 127, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 127, 49);  
box-shadow:4px 4px 4px 4px rgb(67, 127,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5938, 0.3207, 0.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 127, 49) }
```

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

```
.background{ background-color: rgb(67, 127,  
49) }
```

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