

Converting Colors

$Y_{xy}(16.5289, 0.3260, 0.4124)$

Have a look what the booklet for
Yxy(16.5289, 0.3260, 0.4124)
contains.

Yxy(16.5289, 0.3260, 0.4124)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5289, 0.3260, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	607852
RGB	96, 120, 82
RGB Percent	38%, 47%, 32%
CMY	0.6234, 0.5294, 0.6784
CMYK	0.20, 0.00, 0.32, 0.53
HSL	98°, 19%, 40%
HSV	98°, 32%, 47%
XYZ	13.0660, 16.5289, 10.4849
YIQ	108.4920, -2.1060, -16.9060

Conversions

Conversions Part 2

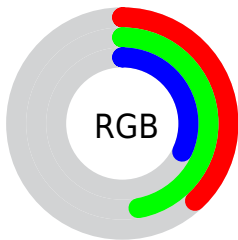
Format	Color
R_{YB}	82, 120, 106
Decimal	6322258
CIE _{Lab}	47.66, -16.35, 18.09
CIE _{LCh}	48, 24.383, 132.108
Yxy	16.5289, 0.3260, 0.4124
Android (android.graphics.Color)	4284512338 (0xFF607852)
YUV	108.4920, -13.0606, -10.9555
Hunter-Lab	40.6557, -13.7810, 13.1685

Details

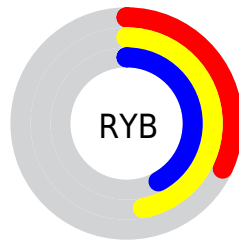
The Yxy color **16.5289, 0.3260, 0.4124** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.4531, 0.2944, 0.2493**, and the grayscale version is **15.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3740, 0.3233, 0.3904**, and **5.2930, 0.3289, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **15.9715, 0.3293, 0.4423**, and if you desaturate by 10%, it is **17.1592, 0.3221, 0.3839**.

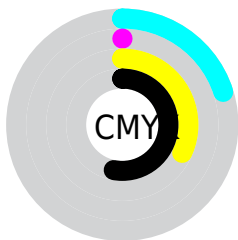
Distribution



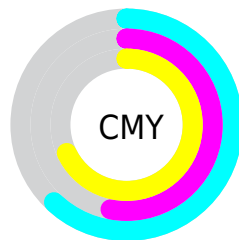
- Red (38%)
- Green (47%)
- Blue (32%)



- Red (32%)
- Yellow (47%)
- Blue (42%)



- Cyan (20%)
- Magenta (0%)
- Yellow (32%)
- Black (53%)




- Cyan (62%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5289, 0.3260, 0.4124 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 16.5289, 0.3260, 0.4124 by changing the saturation by 10% instead.


 16.5289, 0.3260,
0.4124


 16.5289, 0.3260,
0.4124


232.4427, 0.3192,
0.3620


 9.8992, 0.3274,
0.4292


 37.5140, 0.3236,
0.3913


 5.3322, 0.3288,
0.4543

 52.6382, 0.3227,
0.3843

 2.4434, 0.3291,
0.4956

 71.3626, 0.3219,
0.3787

 0.8481, 0.3243,
0.6757

 94.0717, 0.3212,
0.3741

 0.0000, 0.0000,
0.0000

 121.1499, 0.3206,
0.3703

152.9815, 0.3201,

0.3671

189.9510, 0.3196,
0.3644

■ 16.5289, 0.3260,
0.4124

■ 16.5289, 0.3260,
0.4124

■ 15.9715, 0.3293,
0.4423

■ 17.1592, 0.3221,
0.3839

■ 15.4821, 0.3316,
0.4725

■ 17.8629, 0.3179,
0.3572

■ 15.0584, 0.3327,
0.5018

■ 18.6432, 0.3135,
0.3328

■ 14.6972, 0.3323,
0.5287

■ 19.5024, 0.3090,
0.3108

■ 14.3950, 0.3302,
0.5516

■ 20.4428, 0.3047,
0.2910


 14.1478, 0.3266,
0.5692

 21.4664, 0.3006,
0.2733

 13.9742, 0.3233,
0.5815

 22.5754, 0.2966,
0.2576

 23.7718, 0.2929,
0.2437

 25.0575, 0.2895,
0.2314

Harmonies

Analogous

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



16.5289, 0.3711, 0.4131



16.5289, 0.3260, 0.4124



16.5289, 0.2794, 0.3832

Triad

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



16.5289, 0.3260, 0.4124



16.5289, 0.2296, 0.2624



16.5289, 0.3857, 0.3161

Complementary

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



16.5289, 0.3260, 0.4124



10.4531, 0.2944, 0.2493

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.



16.5289, 0.3425, 0.2825



16.5289, 0.3260, 0.4124



16.5289, 0.2532, 0.2520

Square

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



16.5289, 0.3260, 0.4124



16.5289, 0.2261, 0.2919



16.5289, 0.2936, 0.2596



16.5289, 0.4079, 0.3543

Rectangle

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



16.5289, 0.3260, 0.4124



16.5289, 0.2537, 0.3528



16.5289, 0.2936, 0.2596



16.5289, 0.3730, 0.3040

Sweetspot

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



16.5296, 0.3260, 0.4124



31.7429, 0.3168, 0.3511



14.7933, 0.3661, 0.3770



7.4845, 0.3173, 0.3541



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.5296, 0.3260, 0.4124



28.3493, 0.3284, 0.4340



15.9047, 0.3039, 0.4064



4.5154, 0.3167, 0.3507



15.2388, 0.3230, 0.5817



72.2430, 0.3195, 0.5845

Inverse Universe

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



10.4531, 0.2944, 0.2493



15.8770, 0.2890, 0.2297



11.2786, 0.3230, 0.2623



4.0070, 0.3084, 0.3075



3.1333, 0.2328, 0.1056



14.4502, 0.2284, 0.1032

Previews

White Background



This preview shows how the Yxy color 16.5289, 0.3260, 0.4124 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 16.5289, 0.3260, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

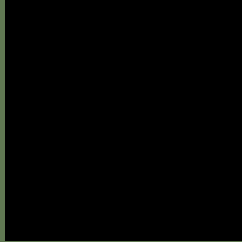
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5289, 0.3260, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 16.5289, 0.3260, 0.4124.



This preview shows how white text looks on a background with the Yxy color 16.5289, 0.3260, 0.4124.

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

16.5289, 0.3260, 0.4124

Protanopia

16.5123, 0.3685, 0.3966

Deuteranopia

16.3675, 0.3797, 0.3727



Tritanopia

16.6003, 0.2875, 0.3107

Trichromacy



Original Color

16.5289, 0.3260, 0.4124

Protanomaly

16.5807, 0.3528, 0.4033

Deuteranomaly

16.2215, 0.3598, 0.3855

Tritanomaly

16.5360, 0.3007, 0.3458

Monochromacy



Original Color

16.5289, 0.3260, 0.4124

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4322, 0.3181, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5289, 0.3260, 0.4124 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(96, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(96, 120, 82)  
}
```

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(96, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 120, 82) }
```

Border

The CSS property to change the border of an element to Yxy 16.5289, 0.3260, 0.4124 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(96, 120, 82) }
```

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

```
.border{ border-color:rgb(96, 120, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 120, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(96, 120,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5289, 0.3260, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 120, 82) }
```

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

```
.background{ background-color: rgb(96, 120,  
82) }
```

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