

Converting Colors

$Y_{xy}(16.3114, 0.3290, 0.3913)$

Have a look what the booklet for
Yxy(16.3114, 0.3290, 0.3913)
contains.

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Color

Yxy(16.3107, 0.3290, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	677558
RGB	103, 117, 88
RGB Percent	40%, 46%, 35%
CMY	0.5962, 0.5411, 0.6549
CMYK	0.12, 0.00, 0.25, 0.54
HSL	89°, 14%, 40%
HSV	89°, 25%, 46%
XYZ	13.7138, 16.3107, 11.6588
YIQ	109.5080, 0.9650, -11.9870

Conversions

Conversions Part 2

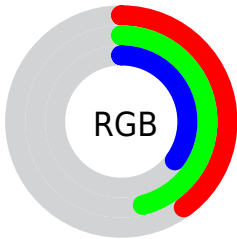
Format	Color
R_{YB}	88, 117, 102
Decimal	6780248
CIE _{Lab}	47.38, -10.94, 14.30
CIE _{LCh}	47, 18.008, 127.413
Yxy	16.3107, 0.3290, 0.3913
Android (android.graphics.Color)	4284970328 (0xFF677558)
YUV	109.5080, -10.6034, -5.7075
Hunter-Lab	40.3865, -10.0641, 11.1546

Details

The Yxy color **16.3107, 0.3290, 0.3913** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.0922, 0.2929, 0.2666**, and the grayscale version is **15.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0809, 0.3253, 0.3757**, and **5.2642, 0.3361, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **15.8092, 0.3350, 0.4190**, and if you desaturate by 10%, it is **16.8674, 0.3225, 0.3649**.

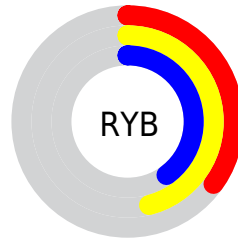
Distribution



Red (40%)

Green (46%)

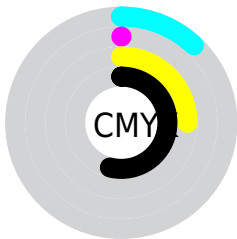
Blue (35%)



Red (35%)

Yellow (46%)

Blue (40%)

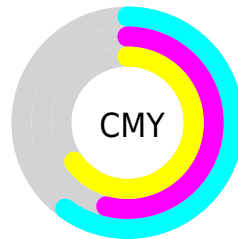


Cyan (12%)

Magenta (0%)

Yellow (25%)

Black (54%)



Cyan (60%)


Magenta (54%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3107, 0.3290, 0.3913 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 16.3107, 0.3290, 0.3913 by changing the saturation by 10% instead.


 16.3107, 0.3290,
0.3913


 16.3107, 0.3290,
0.3913


231.1682, 0.3200,
0.3539


 9.7443, 0.3315,
0.4037


 37.1368, 0.3255,
0.3757

 5.2297, 0.3348,
0.4221

 52.1652, 0.3242,
0.3705


 2.3827, 0.3390,
0.4521

 70.7831, 0.3232,
0.3664

 0.8170, 0.3841,
0.6159

 93.3748, 0.3223,
0.3630

 0.0000, 0.0000,
0.0000

 120.3248, 0.3216,
0.3601

152.0174, 0.3210,

0.3577

188.8371, 0.3204,
0.3557

■ 16.3107, 0.3290,
0.3913

■ 16.3107, 0.3290,
0.3913

■ 15.8092, 0.3350,
0.4190

■ 16.8674, 0.3225,
0.3649

■ 15.3590, 0.3403,
0.4474

■ 17.4790, 0.3159,
0.3401

■ 14.9585, 0.3444,
0.4753

■ 18.1480, 0.3093,
0.3174

■ 14.6057, 0.3470,
0.5017

■ 18.8760, 0.3029,
0.2967

■ 14.2980, 0.3477,
0.5253

■ 19.6646, 0.2967,
0.2779

■ 14.0327, 0.3464,
0.5448

■ 20.5152, 0.2909,
0.2611

■ 13.8058, 0.3432,
0.5597

■ 21.4294, 0.2855,
0.2460

■ 13.6972, 0.3415,
0.5671

■ 22.4084, 0.2804,
0.2325

■ 23.4538, 0.2757,
0.2204

Harmonies

Analogous

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



16.3107, 0.3613, 0.3900



16.3107, 0.3290, 0.3913



16.3107, 0.2935, 0.3728

Triad

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



16.3107, 0.3290, 0.3913



16.3107, 0.2482, 0.2821



16.3107, 0.3625, 0.3154

Complementary

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



16.3107, 0.3290, 0.3913



11.0922, 0.2929, 0.2666

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.



16.3107, 0.3295, 0.2904



16.3107, 0.3290, 0.3913



16.3107, 0.2642, 0.2710

Square

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



16.3107, 0.3290, 0.3913



16.3107, 0.2482, 0.3069



16.3107, 0.2934, 0.2744



16.3107, 0.3818, 0.3447

Rectangle

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



16.3107, 0.3290, 0.3913



16.3107, 0.2729, 0.3522



16.3107, 0.2934, 0.2744



16.3107, 0.3526, 0.3064

Sweetspot

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



16.3114, 0.3290, 0.3913



31.0229, 0.3175, 0.3459



13.9947, 0.3547, 0.3584



7.1226, 0.3177, 0.3468



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.3114, 0.3290, 0.3913



28.6541, 0.3327, 0.4078



15.5282, 0.3102, 0.3950



4.1825, 0.3187, 0.3504



15.0793, 0.3412, 0.5673



72.9714, 0.3375, 0.5702

Inverse Universe

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



11.0922, 0.2929, 0.2666



17.5282, 0.2870, 0.2500



12.0140, 0.3147, 0.2706



3.6688, 0.3063, 0.3076



2.3524, 0.2027, 0.0890



10.9580, 0.1974, 0.0861

Previews

White Background



This preview shows how the Yxy color 16.3107, 0.3290, 0.3913 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 16.3107, 0.3290, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

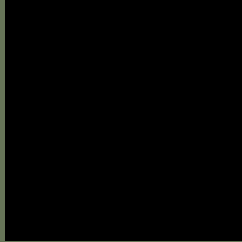
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3107, 0.3290, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 16.3107, 0.3290, 0.3913.



This preview shows how white text looks on a background with the Yxy color 16.3107, 0.3290, 0.3913.

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

16.3107, 0.3290, 0.3913

Protanopia

16.2533, 0.3572, 0.3814

Deuteranopia

16.2886, 0.3698, 0.3636



Tritanopia

16.3789, 0.2969, 0.3129

Trichromacy



Original Color

16.3107, 0.3290, 0.3913

Protanomaly

16.3002, 0.3464, 0.3847

Deuteranomaly

16.1551, 0.3551, 0.3732

Tritanomaly

16.2029, 0.3083, 0.3394

Monochromacy



Original Color

16.3107, 0.3290, 0.3913

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8954, 0.3182, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3107, 0.3290, 0.3913 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(103, 117, 88)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 88)  
}
```

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(103, 117, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.3107, 0.3290, 0.3913 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(103, 117, 88) }
```

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

```
.border{ border-color:rgb(103, 117, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 88);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3107, 0.3290, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 88) }
```

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

```
.background{ background-color: rgb(103,  
117, 88) }
```

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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