

Converting Colors

$Y_{xy}(11.8428, 0.4116, 0.4663)$

Have a look what the booklet for
Yxy(11.8428, 0.4116, 0.4663)
contains.

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Color

Yxy(11.8429, 0.4116, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	696220
RGB	105, 98, 32
RGB Percent	41%, 38%, 13%
CMY	0.5883, 0.6157, 0.8745
CMYK	0.00, 0.07, 0.70, 0.59
HSL	54°, 53%, 27%
HSV	54°, 70%, 41%
XYZ	10.4537, 11.8429, 3.1010
YIQ	92.5690, 25.3580, -19.0420

Conversions

Conversions Part 2

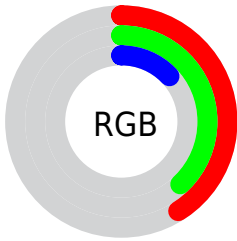
Format	Color
R_{YB}	40, 105, 32
Decimal	6906400
CIE _{Lab}	40.97, -5.98, 37.14
CIE _{LCh}	41, 37.617, 99.148
Yxy	11.8429, 0.4116, 0.4663
Android (android.graphics.Color)	4285096480 (0xFF696220)
YUV	92.5690, -29.8605, 10.9020
Hunter-Lab	34.4135, -6.0014, 18.7468

Details

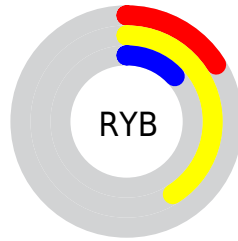
The Yxy color **11.8429, 0.4116, 0.4663** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.7771, 0.1903, 0.1365**, and the grayscale version is **10.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0281, 0.3902, 0.4334**, and **3.2967, 0.4305, 0.4964** is the 20% darker color. If you saturate the color by 10%, you get **11.6082, 0.4217, 0.4780**, and if you desaturate by 10%, it is **12.0993, 0.3995, 0.4511**.

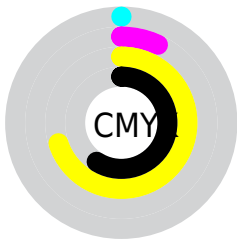
Distribution



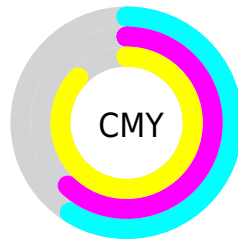
- Red (41%)
- Green (38%)
- Blue (13%)



- Red (16%)
- Yellow (41%)
- Blue (13%)



- Cyan (0%)
- Magenta (7%)
- Yellow (70%)
- Black (59%)





- Cyan (59%)
- Magenta (62%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8429, 0.4116, 0.4663 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 11.8429, 0.4116, 0.4663 by changing the saturation by 10% instead.


 11.8429, 0.4116,
0.4663


 11.8429, 0.4116,
0.4663


 203.3625, 0.3552,
0.3845


 6.6368, 0.4255,
0.4899


 29.2087, 0.3902,
0.4335


 3.2360, 0.4587,
0.5413

 42.1371, 0.3823,
0.4221

 1.2562, 0.4479,
0.5521

 58.4084, 0.3757,
0.4128

 0.1069, 0.0000,
1.0000

 78.4071, 0.3702,
0.4051

 0.0000, 0.0000,
0.0000

 102.5174, 0.3656,
0.3987

 131.1238, 0.3616,

0.3932

164.6107, 0.3582,
0.3886

11.8429, 0.4116,
0.4663

11.8429, 0.4116,
0.4663

11.6082, 0.4217,
0.4780

12.0993, 0.3995,
0.4511

11.3917, 0.4294,
0.4859

12.3773, 0.3858,
0.4331

11.1863, 0.4359,
0.4916

12.6789, 0.3712,
0.4131

11.1766, 0.4362,
0.4919

13.0053, 0.3560,
0.3919

13.3577, 0.3409,
0.3703

■ 13.7373, 0.3262,
0.3488

■ 14.1450, 0.3121,
0.3280

■ 14.5818, 0.2988,
0.3082

■ 15.0488, 0.2865,
0.2896

Harmonies

Analogous

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



11.8429, 0.4639, 0.4162



11.8429, 0.4116, 0.4663



11.8429, 0.3370, 0.4811

Triad

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



11.8429, 0.4116, 0.4663



11.8429, 0.1741, 0.2677



11.8429, 0.3534, 0.2489

Complementary

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



11.8429, 0.4116, 0.4663



2.7771, 0.1903, 0.1365

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.



11.8429, 0.2708, 0.2160



11.8429, 0.4116, 0.4663



11.8429, 0.1773, 0.2208

Square

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



11.8429, 0.4116, 0.4663



11.8429, 0.2017, 0.3471



11.8429, 0.2097, 0.2053



11.8429, 0.4327, 0.2983

Rectangle

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



11.8429, 0.4116, 0.4663



11.8429, 0.2846, 0.4571



11.8429, 0.2097, 0.2053



11.8429, 0.3246, 0.2358

Sweetspot

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



11.8435, 0.4116, 0.4663



23.7858, 0.3440, 0.3748



4.1843, 0.5049, 0.3147



5.5427, 0.3470, 0.3790



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.8435, 0.4116, 0.4663



20.5567, 0.4265, 0.4831



11.7346, 0.3566, 0.5057



3.5365, 0.3254, 0.3477



14.1245, 0.4364, 0.4917



71.2778, 0.4375, 0.4908

Inverse Universe

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



2.7771, 0.1903, 0.1365



3.1777, 0.1673, 0.0965



3.0510, 0.2301, 0.1403



3.0675, 0.2997, 0.3096



1.5362, 0.1528, 0.0701



7.2109, 0.1514, 0.0651

Previews

White Background



This preview shows how the Yxy color 11.8429, 0.4116, 0.4663 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 11.8429, 0.4116, 0.4663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

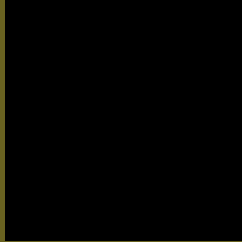
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8429, 0.4116, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 11.8429, 0.4116, 0.4663.



This preview shows how white text looks on a background with the Yxy color 11.8429, 0.4116, 0.4663.

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

11.8429, 0.4116, 0.4663

Protanopia

11.8418, 0.4179, 0.4617

Deuteranopia

11.8347, 0.4445, 0.4383



Tritanopia

11.9347, 0.3324, 0.3140

Trichromacy



Original Color

11.8429, 0.4116, 0.4663

Protanomaly

11.7795, 0.4163, 0.4627

Deuteranomaly

11.7601, 0.4328, 0.4485

Tritanomaly

11.7646, 0.3657, 0.3716

Monochromacy



Original Color

11.8429, 0.4116, 0.4663

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.1807, 0.3512, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8429, 0.4116, 0.4663 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(105, 98, 32)` looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 32)  
}
```

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(105, 98, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 32) }
```

Border

The CSS property to change the border of an element to Yxy 11.8429, 0.4116, 0.4663 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(105, 98, 32) }
```

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

```
.border{ border-color:rgb(105, 98, 32) }
```

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

Here you see how a box with a 4 pixel rgb(105, 98, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 98, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 98, 32);  
box-shadow:4px 4px 4px 4px rgb(105, 98,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8429, 0.4116, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 32) }
```

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

```
.background{ background-color: rgb(105, 98,  
32) }
```

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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