

Converting Colors

$Y_{xy}(12.8408, 0.4213, 0.4681)$

Have a look what the booklet for
Yxy(12.8408, 0.4213, 0.4681)
contains.

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Color

Yxy(12.8408, 0.4213, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	70651D
RGB	112, 101, 29
RGB Percent	44%, 40%, 11%
CMY	0.5608, 0.6039, 0.8861
CMYK	0.00, 0.10, 0.74, 0.56
HSL	52°, 59%, 28%
HSV	52°, 74%, 44%
XYZ	11.5570, 12.8408, 3.0340
YIQ	96.0810, 29.6680, -20.0600

Conversions

Conversions Part 2

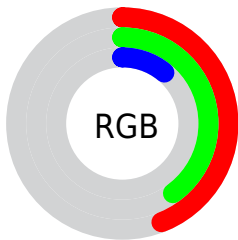
Format	Color
R_{YB}	42, 112, 29
Decimal	7365917
CIE Lab	42.52, -4.54, 40.27
CIE LCh	43, 40.523, 96.439
Yxy	12.8408, 0.4213, 0.4681
Android (android.graphics.Color)	4285555997 (0xFF70651D)
YUV	96.0810, -33.0709, 13.9610
Hunter-Lab	35.8341, -5.1408, 20.0640

Details

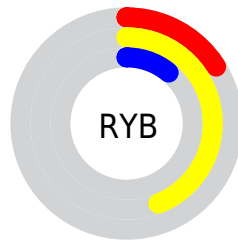
The Yxy color **12.8408, 0.4213, 0.4681** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9503, 0.1837, 0.1293**, and the grayscale version is **11.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1135, 0.3981, 0.4372**, and **3.7565, 0.4378, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **12.5102, 0.4314, 0.4776**, and if you desaturate by 10%, it is **13.1979, 0.4090, 0.4549**.

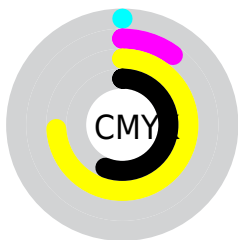
Distribution



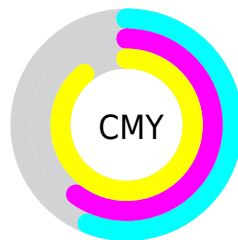
- Red (44%)
- Green (40%)
- Blue (11%)



- Red (16%)
- Yellow (44%)
- Blue (11%)



- Cyan (0%)
- Magenta (10%)
- Yellow (74%)
- Black (56%)





- Cyan (56%)
- Magenta (60%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8408, 0.4213, 0.4681 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 12.8408, 0.4213, 0.4681 by changing the saturation by 10% instead.


 12.8408, 0.4213,
0.4681


 12.8408, 0.4213,
0.4681


 209.8948, 0.3603,
0.3873


 7.3190, 0.4358,
0.4898


 31.0175, 0.3985,
0.4366


 3.6624, 0.4665,
0.5335

 44.4412, 0.3900,
0.4253


 1.4866, 0.4591,
0.5409

 61.2676, 0.3828,
0.4160

 0.2792, 0.3562,
0.6438

 81.8812, 0.3769,
0.4083

 0.0000, 0.0000,
0.0000

 106.6663, 0.3718,
0.4018

 136.0073, 0.3674,

0.3962

170.2887, 0.3636,
0.3914

12.8408, 0.4213,
0.4681

12.8408, 0.4213,
0.4681

12.5102, 0.4314,
0.4776

13.1979, 0.4090,
0.4549

12.2014, 0.4391,
0.4832

13.5818, 0.3950,
0.4385

12.0232, 0.4435,
0.4861

13.9949, 0.3799,
0.4197

14.4386, 0.3642,
0.3995

14.9145, 0.3485,
0.3785

■ 15.4239, 0.3331,
0.3576

■ 15.9681, 0.3184,
0.3371

■ 16.5482, 0.3047,
0.3175

■ 17.1655, 0.2919,
0.2990

Harmonies

Analogous

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



12.8408, 0.4733, 0.4132



12.8408, 0.4213, 0.4681



12.8408, 0.3447, 0.4899

Triad

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



12.8408, 0.4213, 0.4681



12.8408, 0.1698, 0.2705



12.8408, 0.3469, 0.2417

Complementary

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



12.8408, 0.4213, 0.4681



2.9503, 0.1837, 0.1293

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.



12.8408, 0.2618, 0.2096



12.8408, 0.4213, 0.4681



12.8408, 0.1705, 0.2190

Square

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



12.8408, 0.4213, 0.4681



12.8408, 0.2010, 0.3563



12.8408, 0.2012, 0.2006



12.8408, 0.4321, 0.2915

Rectangle

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



12.8408, 0.4213, 0.4681



12.8408, 0.2899, 0.4694



12.8408, 0.2012, 0.2006



12.8408, 0.3169, 0.2287

Sweetspot

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



12.8414, 0.4213, 0.4681



26.3361, 0.3461, 0.3754



4.4784, 0.5187, 0.3095



6.2851, 0.3493, 0.3796



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8414, 0.4213, 0.4681



21.5847, 0.4372, 0.4819



13.4499, 0.3614, 0.5139



3.8446, 0.3256, 0.3471



13.8788, 0.4437, 0.4859



68.2329, 0.4452, 0.4847

Inverse Universe

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



2.9503, 0.1837, 0.1293



3.2595, 0.1620, 0.0895



2.9938, 0.2181, 0.1257



3.3652, 0.2996, 0.3102



1.7192, 0.1540, 0.0743



7.8112, 0.1524, 0.0685

Previews

White Background



This preview shows how the Yxy color 12.8408, 0.4213, 0.4681 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 12.8408, 0.4213, 0.4681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

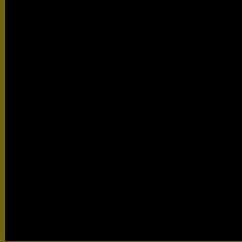
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8408, 0.4213, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 12.8408, 0.4213, 0.4681.



This preview shows how white text looks on a background with the Yxy color 12.8408, 0.4213, 0.4681.

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

12.8408, 0.4213, 0.4681

Protanopia

12.9068, 0.4229, 0.4671

Deuteranopia

12.7190, 0.4505, 0.4427



Tritanopia

12.8163, 0.3383, 0.3126

Trichromacy



Original Color

12.8408, 0.4213, 0.4681

Protanomaly

12.9068, 0.4229, 0.4671

Deuteranomaly

12.7081, 0.4406, 0.4518

Tritanomaly

12.7704, 0.3753, 0.3760

Monochromacy



Original Color

12.8408, 0.4213, 0.4681

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0280, 0.3563, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8408, 0.4213, 0.4681 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(112, 101, 29)` looks like.

```
.text, #text, p{  
    color:rgb(112, 101, 29)  
}
```

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(112, 101, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 101, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.8408, 0.4213, 0.4681 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(112, 101, 29) }
```

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

```
.border{ border-color:rgb(112, 101, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 101, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 101, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 101, 29);  
box-shadow:4px 4px 4px 4px rgb(112, 101,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8408, 0.4213, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 101, 29) }
```

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

```
.background{ background-color: rgb(112,  
101, 29) }
```

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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