

Converting Colors

$Y_{xy}(13.2744, 0.4085, 0.4701)$

Have a look what the booklet for
Yxy(13.2744, 0.4085, 0.4701)
contains.

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Color

Yxy(13.2616, 0.4092, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	6D6821
RGB	109, 104, 33
RGB Percent	43%, 41%, 13%
CMY	0.5725, 0.5922, 0.8706
CMYK	0.00, 0.05, 0.70, 0.57
HSL	56°, 54%, 28%
HSV	56°, 70%, 43%
XYZ	11.5338, 13.2616, 3.3908
YIQ	97.4010, 25.7710, -21.0210

Conversions

Conversions Part 2

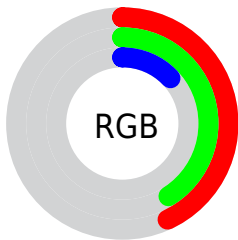
Format	Color
RYB	38, 109, 33
Decimal	7170081
CIELab	43.15, -7.44, 39.07
CIELCh	43, 39.769, 100.777
Yxy	13.2616, 0.4092, 0.4705
Android (android.graphics.Color)	4285360161 (0xFF6D6821)
YUV	97.4010, -31.7497, 10.1723
Hunter-Lab	36.4165, -7.1945, 19.9709

Details

The Yxy color **13.2616, 0.4092, 0.4705** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8164, 0.1881, 0.1298**, and the grayscale version is **12.1342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8384, 0.3893, 0.4372**, and **3.8561, 0.4245, 0.5011** is the 20% darker color. If you saturate the color by 10%, you get **13.0661, 0.4184, 0.4824**, and if you desaturate by 10%, it is **13.4794, 0.3979, 0.4551**.

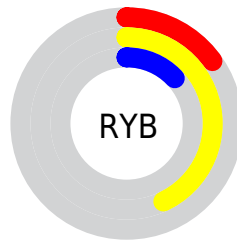
Distribution



Red (43%)

Green (41%)

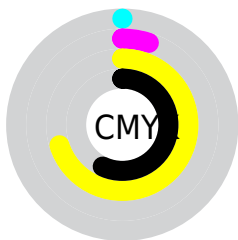
Blue (13%)



Red (15%)

Yellow (43%)

Blue (13%)

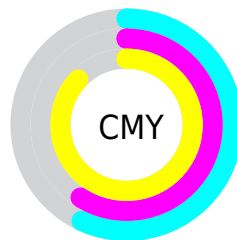


Cyan (0%)

Magenta (5%)

Yellow (70%)

Black (57%)



Cyan (57%)


Magenta (59%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2616, 0.4092, 0.4705 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 13.2616, 0.4092, 0.4705 by changing the saturation by 10% instead.


 13.2616, 0.4092,
0.4705

 13.2616, 0.4092,
0.4705


 212.5875, 0.3555,
0.3873


 7.6089, 0.4218,
0.4940


 31.7730, 0.3893,
0.4375


 3.8457, 0.4498,
0.5418

 45.4005, 0.3817,
0.4259


 1.5877, 0.4418,
0.5582

 62.4550, 0.3755,
0.4164

 0.3493, 0.3010,
0.6990

 83.3210, 0.3702,
0.4085

 0.0000, 0.0000,
0.0000

 108.3829, 0.3657,
0.4019

 138.0250, 0.3618,

0.3963

172.6317, 0.3584,
0.3915

13.2616, 0.4092,
0.4705

13.2616, 0.4092,
0.4705

13.0661, 0.4184,
0.4824

13.4794, 0.3979,
0.4551

12.8891, 0.4252,
0.4903

13.7193, 0.3849,
0.4368

12.7230, 0.4306,
0.4960

13.9836, 0.3708,
0.4163

12.7185, 0.4308,
0.4962

14.2736, 0.3560,
0.3945

14.5907, 0.3411,
0.3722

■ 14.9359, 0.3264,
0.3500

■ 15.3106, 0.3123,
0.3284

■ 15.7157, 0.2990,
0.3079

■ 16.1522, 0.2866,
0.2885

Harmonies

Analogous

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



13.2616, 0.4643, 0.4203



13.2616, 0.4092, 0.4705



13.2616, 0.3327, 0.4832

Triad

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



13.2616, 0.4092, 0.4705



13.2616, 0.1714, 0.2630



13.2616, 0.3589, 0.2500

Complementary

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



13.2616, 0.4092, 0.4705



2.8164, 0.1881, 0.1298

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.



13.2616, 0.2742, 0.2156



13.2616, 0.4092, 0.4705



13.2616, 0.1764, 0.2174

Square

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



13.2616, 0.4092, 0.4705



13.2616, 0.1975, 0.3422



13.2616, 0.2107, 0.2034



13.2616, 0.4384, 0.3007

Rectangle

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



13.2616, 0.4092, 0.4705



13.2616, 0.2797, 0.4565



13.2616, 0.2107, 0.2034



13.2616, 0.3295, 0.2364

Sweetspot

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



13.2622, 0.4092, 0.4705



26.0053, 0.3439, 0.3763



4.4811, 0.5142, 0.3198



6.0247, 0.3468, 0.3808



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.2622, 0.4092, 0.4705



23.1730, 0.4231, 0.4881



12.5923, 0.3531, 0.5091



3.5510, 0.3253, 0.3483



14.8554, 0.4309, 0.4961



75.1958, 0.4316, 0.4955

Inverse Universe

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



2.8164, 0.1881, 0.1298



3.1262, 0.1645, 0.0890



3.3490, 0.2339, 0.1411



3.0544, 0.2997, 0.3090



1.4599, 0.1519, 0.0670



6.9568, 0.1509, 0.0631

Previews

White Background



This preview shows how the Yxy color 13.2616, 0.4092, 0.4705 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 13.2616, 0.4092, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

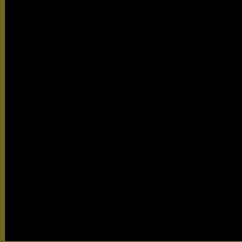
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2616, 0.4092, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 13.2616, 0.4092, 0.4705.



This preview shows how white text looks on a background with the Yxy color 13.2616, 0.4092, 0.4705.

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

13.2616, 0.4092, 0.4705

Protanopia

13.1900, 0.4197, 0.4627

Deuteranopia

13.1888, 0.4442, 0.4390



Tritanopia

13.2141, 0.3285, 0.3125

Trichromacy



Original Color

13.2616, 0.4092, 0.4705

Protanomaly

13.2550, 0.4152, 0.4661

Deuteranomaly

13.2288, 0.4300, 0.4513

Tritanomaly

13.1896, 0.3626, 0.3743

Monochromacy



Original Color

13.2616, 0.4092, 0.4705

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3755, 0.3508, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2616, 0.4092, 0.4705 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(109, 104, 33)` looks like.

```
.text, #text, p{  
    color:rgb(109, 104, 33)  
}
```

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(109, 104, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 104, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.2616, 0.4092, 0.4705 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(109, 104, 33) }
```

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

```
.border{ border-color:rgb(109, 104, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 104, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 104, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 104, 33);  
box-shadow:4px 4px 4px 4px rgb(109, 104,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2616, 0.4092, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 104, 33) }
```

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

```
.background{ background-color: rgb(109,  
104, 33) }
```

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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