

Converting Colors

$Y_{xy}(13.2663, 0.4166, 0.5074)$

Have a look what the booklet for
Yxy(13.2663, 0.4166, 0.5074)
contains.

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Color

Yxy(13.2511, 0.4162, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	686A00
RGB	104, 106, 0
RGB Percent	41%, 42%, 0%
CMY	0.5922, 0.5843, 0.9998
CMYK	0.02, 0.00, 1.00, 0.58
HSL	61°, 100%, 21%
HSV	61°, 100%, 42%
XYZ	10.8629, 13.2511, 1.9862
YIQ	93.3180, 32.8340, -33.3900

Conversions

Conversions Part 2

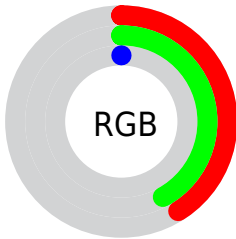
Format	Color
RYB	0, 106, 2
Decimal	6842880
CIELab	43.14, -12.26, 49.32
CIELCh	43, 50.818, 103.966
Yxy	13.2511, 0.4162, 0.5077
Android (android.graphics.Color)	4285032960 (0xFF686A00)
YUV	93.3180, -46.0058, 9.3681
Hunter-Lab	36.4021, -10.4365, 22.2464

Details

The Yxy color **13.2511, 0.4162, 0.5077** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0548, 0.1512, 0.0607**, and the grayscale version is **11.1301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7093, 0.3987, 0.4687**, and **3.8848, 0.4039, 0.5175** is the 20% darker color. If you saturate the color by 10%, you get **13.2516, 0.4162, 0.5077**, and if you desaturate by 10%, it is **13.2870, 0.4126, 0.5009**.

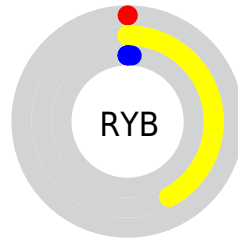
Distribution



Red (41%)

Green (42%)

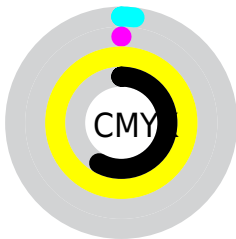
Blue (0%)



Red (0%)

Yellow (42%)

Blue (1%)

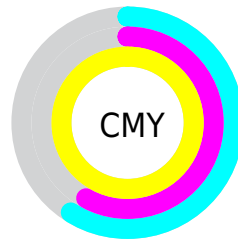


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (59%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2511, 0.4162, 0.5077 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 13.2511, 0.4162, 0.5077 by changing the saturation by 10% instead.


 13.2511, 0.4162,
0.5077

 13.2511, 0.4162,
0.5077


 212.5207, 0.3629,
0.4045

 7.6017, 0.4258,
0.5357


 31.7542, 0.3989,
0.4684


 3.8411, 0.4311,
0.5689

 45.3766, 0.3914,
0.4539


 1.5851, 0.4112,
0.5888

 62.4255, 0.3848,
0.4419

 0.3475, 0.0817,
0.9183

 83.2852, 0.3792,
0.4319


 0.0000, 0.0000,
0.0000


 108.3403, 0.3743,
0.4234


 137.9749, 0.3700,

0.4162


 172.5736, 0.3662,
0.4100


 13.2511, 0.4162,
0.5077

 13.2511, 0.4162,
0.5077


 13.2516, 0.4162,
0.5077

 13.2870, 0.4126,
0.5009

 13.3307, 0.4078,
0.4921

 13.3912, 0.4007,
0.4794

 13.4702, 0.3914,
0.4631

 13.5695, 0.3802,
0.4438

■ 13.6903, 0.3676,
0.4223

■ 13.8341, 0.3542,
0.3992

■ 14.0020, 0.3402,
0.3756

■ 14.1952, 0.3263,
0.3519

Harmonies

Analogous

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



13.2511, 0.4917, 0.4405



13.2511, 0.4162, 0.5077



13.2511, 0.3208, 0.5277

Triad

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



13.2511, 0.4162, 0.5077



13.2511, 0.1404, 0.2352



13.2511, 0.3819, 0.2375

Complementary

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



13.2511, 0.4162, 0.5077



1.0548, 0.1512, 0.0607

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.



13.2511, 0.2732, 0.1948



13.2511, 0.4162, 0.5077



13.2511, 0.1506, 0.1878

Square

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



13.2511, 0.4162, 0.5077



13.2511, 0.1646, 0.3301



13.2511, 0.1937, 0.1770



13.2511, 0.4813, 0.2979

Rectangle

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



13.2511, 0.4162, 0.5077



13.2511, 0.2571, 0.4890



13.2511, 0.1937, 0.1770



13.2511, 0.3440, 0.2208

Sweetspot

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



13.2517, 0.4162, 0.5077



24.2542, 0.3553, 0.4013



3.1037, 0.6376, 0.3318



5.6628, 0.3595, 0.4084



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.



13.2517, 0.4162, 0.5077



23.2497, 0.4161, 0.5078



11.0193, 0.3379, 0.5699



3.5808, 0.3249, 0.3496



16.4429, 0.4162, 0.5078



83.7383, 0.4160, 0.5079

Inverse Universe

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



1.0548, 0.1512, 0.0607



1.8431, 0.1508, 0.0605



1.8479, 0.2105, 0.0934



3.0276, 0.3000, 0.3075



1.3058, 0.1510, 0.0606



6.6103, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 13.2511, 0.4162, 0.5077 looks on a white background.

Color Contrast Check

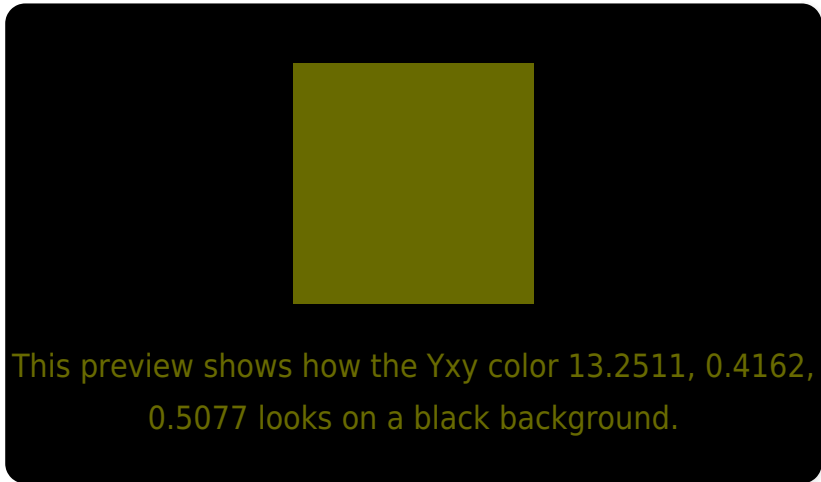
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

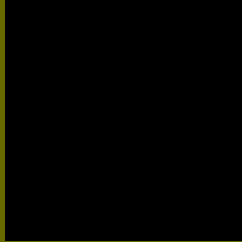
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2511, 0.4162, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 13.2511, 0.4162, 0.5077.



This preview shows how white text looks on a background with the Yxy color 13.2511, 0.4162, 0.5077.

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

13.2511, 0.4162, 0.5077

Protanopia

13.1476, 0.4397, 0.4891

Deuteranopia

13.2539, 0.4625, 0.4568



Tritanopia

13.3438, 0.3208, 0.3143

Trichromacy



Original Color

13.2511, 0.4162, 0.5077

Protanomaly

13.0800, 0.4319, 0.4953

Deuteranomaly

13.1293, 0.4468, 0.4747

Tritanomaly

13.0961, 0.3705, 0.4060

Monochromacy



Original Color

13.2511, 0.4162, 0.5077

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.5925, 0.3665, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2511, 0.4162, 0.5077 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(104, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 106, 0)  
}
```

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(104, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2511, 0.4162, 0.5077 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(104, 106, 0) }
```

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

```
.border{ border-color:rgb(104, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2511, 0.4162, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 106, 0) }
```

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

```
.background{ background-color: rgb(104,  
106, 0) }
```

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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