

Converting Colors

$Y_{xy}(12.8338, 0.2648, 0.6113)$

Have a look what the booklet for
Yxy(12.8338, 0.2648, 0.6113)
contains.

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Color

Yxy(13.4646, 0.2965, 0.5875)

Conversions

Conversions Part 1

Format	Color
Hex	00780E
RGB	0, 120, 14
RGB Percent	0%, 47%, 5%
CMY	1.0000, 0.5294, 0.9448
CMYK	1.00, 0.00, 0.88, 0.53
HSL	127°, 100%, 24%
HSV	127°, 100%, 47%
XYZ	6.7953, 13.4646, 2.6585
YIQ	72.0360, -37.4940, -58.4060

Conversions

Conversions Part 2

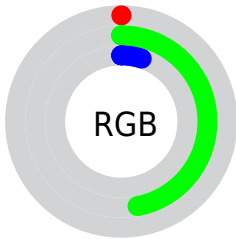
Format	Color
RYB	0, 107, 120
Decimal	30734
CIELab	43.46, -48.75, 44.49
CIELCh	43, 65.999, 137.619
Yxy	13.4646, 0.2965, 0.5875
Android (android.graphics.Color)	4278220814 (0xFF00780E)
YUV	72.0360, -28.6117, -63.1756
Hunter-Lab	36.6941, -31.1586, 21.3903

Details

The Yxy color **13.4646, 0.2965, 0.5875** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.0325, 0.3516, 0.1711**, and the grayscale version is **6.5437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9365, 0.3096, 0.5161**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4657, 0.2965, 0.5875**, and if you desaturate by 10%, it is **13.5807, 0.2962, 0.5713**.

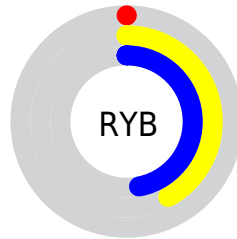
Distribution



Red (0%)

Green (47%)

Blue (5%)



Red (0%)

Yellow (42%)

Blue (47%)

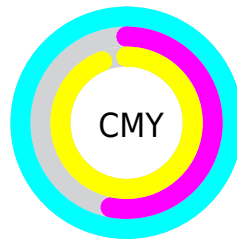


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4646, 0.2965, 0.5875 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 13.4646, 0.2965, 0.5875 by changing the saturation by 10% instead.


 13.4646, 0.2965,
0.5875


 13.4646, 0.2965,
0.5875


213.8741, 0.3171,
0.4224


 7.7492, 0.2804,
0.6430


 32.1360, 0.3099,
0.5168


 3.9349, 0.2565,
0.7435

 45.8608, 0.3128,
0.4936

 1.6372, 0.1211,
0.8789

 63.0242, 0.3145,
0.4753

 0.3825, 0.0000,
1.0000


 84.0106, 0.3156,
0.4606


 0.0000, 0.0000,
0.0000


 109.2044, 0.3163,
0.4484


 138.9900, 0.3167,

0.4383


 173.7518, 0.3169,
0.4298


 13.4646, 0.2965,
0.5875


 13.4646, 0.2965,
0.5875

 13.4657, 0.2965,
0.5875

 13.5807, 0.2962,
0.5713

 13.7509, 0.2957,
0.5495

 14.0049, 0.2961,
0.5227

 14.3521, 0.2974,
0.4928

 14.8002, 0.2993,
0.4616

■ 15.3563, 0.3016,
0.4308

■ 16.0270, 0.3043,
0.4016

■ 16.8181, 0.3071,
0.3747

■ 17.7351, 0.3100,
0.3505

Harmonies

Analogous

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



13.4646, 0.4122, 0.5533



13.4646, 0.2965, 0.5875



13.4646, 0.1901, 0.4771

Triad

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



13.4646, 0.2965, 0.5875



13.4646, 0.1232, 0.1537



13.4646, 0.5394, 0.2937

Complementary

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



13.4646, 0.2965, 0.5875



5.0325, 0.3516, 0.1711

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.



13.4646, 0.4170, 0.2238



13.4646, 0.2965, 0.5875



13.4646, 0.1760, 0.1478

Square

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



13.4646, 0.2965, 0.5875



13.4646, 0.1065, 0.1986



13.4646, 0.2757, 0.1720



13.4646, 0.5704, 0.3713

Rectangle

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



13.4646, 0.2965, 0.5875



13.4646, 0.1410, 0.3591



13.4646, 0.2757, 0.1720



13.4646, 0.5063, 0.2693

Sweetspot

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



13.4657, 0.2965, 0.5875



28.0931, 0.3041, 0.4037



16.4981, 0.3997, 0.5208



6.5581, 0.3032, 0.4135



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.4657, 0.2965, 0.5875



23.6706, 0.2972, 0.5900



13.9282, 0.2597, 0.4547



4.4569, 0.3102, 0.3484



14.6881, 0.2966, 0.5879



69.9955, 0.2981, 0.5930

Inverse Universe

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



5.0325, 0.3516, 0.1711



8.8382, 0.3524, 0.1715



4.1906, 0.5354, 0.2723



4.0698, 0.3153, 0.3103



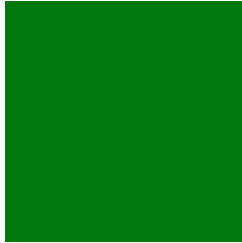
5.4885, 0.3517, 0.1711



26.0992, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 13.4646, 0.2965, 0.5875 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

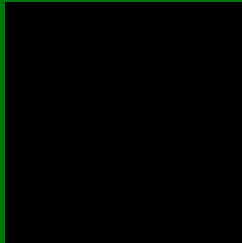
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4646, 0.2965, 0.5875

Background



This preview shows how black text looks on a background with the Yxy color 13.4646, 0.2965, 0.5875.



This preview shows how white text looks on a background with the Yxy color 13.4646, 0.2965, 0.5875.

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

13.4646, 0.2965, 0.5875

Protanopia

13.4288, 0.4369, 0.4852

Deuteranopia

13.3052, 0.4536, 0.4454



Tritanopia

13.6469, 0.2380, 0.3075

Trichromacy



Original Color

13.4646, 0.2965, 0.5875

Protanomaly

12.4150, 0.3628, 0.5396

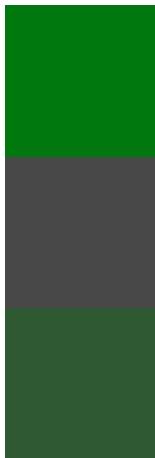
Deuteranomaly

11.9629, 0.3720, 0.5118

Tritanomaly

13.1777, 0.2617, 0.4181

Monochromacy



Original Color

13.4646, 0.2965, 0.5875

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.9646, 0.3001, 0.4512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4646, 0.2965, 0.5875 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(0, 120, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 14)  
}
```

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(0, 120, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 14) }
```

Border

The CSS property to change the border of an element to Yxy 13.4646, 0.2965, 0.5875 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(0, 120, 14) }
```

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

```
.border{ border-color:rgb(0, 120, 14) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4646, 0.2965, 0.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 14) }
```

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

```
.background{ background-color: rgb(0, 120,  
14) }
```

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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