

Converting Colors

$Y_{xy}(13.6376, 0.3280, 0.6515)$

Have a look what the booklet for
Yxy(13.6376, 0.3280, 0.6515)
contains.

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Color

Yxy(13.6660, 0.3104, 0.5917)

Conversions

Conversions Part 1

Format	Color
Hex	1B7800
RGB	27, 120, 0
RGB Percent	11%, 47%, 0%
CMY	0.8940, 0.5294, 0.9998
CMYK	0.77, 0.00, 1.00, 0.53
HSL	107°, 100%, 24%
HSV	107°, 100%, 47%
XYZ	7.1690, 13.6660, 2.2611
YIQ	78.5130, -16.9080, -57.0360

Conversions

Conversions Part 2

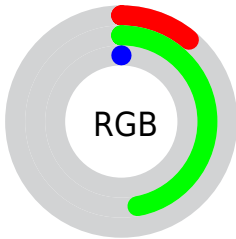
Format	Color
RYB	0, 120, 93
Decimal	1800192
CIELab	43.75, -46.29, 48.04
CIELCh	44, 66.713, 133.932
Yxy	13.6660, 0.3104, 0.5917
Android (android.graphics.Color)	4279990272 (0xFF1B7800)
YUV	78.5130, -38.7069, -45.1769
Hunter-Lab	36.9676, -30.0770, 22.2508

Details

The Yxy color **13.6660, 0.3104, 0.5917** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6858, 0.2666, 0.1243**, and the grayscale version is **7.8009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3588, 0.3213, 0.5215**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6660, 0.3104, 0.5918**, and if you desaturate by 10%, it is **13.8407, 0.3136, 0.5770**.

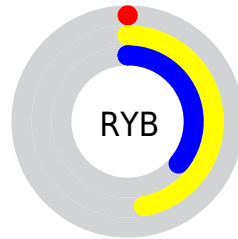
Distribution



Red (11%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (36%)

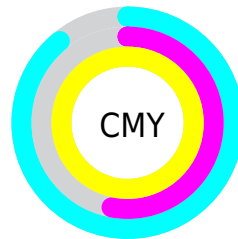


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (89%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6660, 0.3104, 0.5917 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 13.6660, 0.3104, 0.5917 by changing the saturation by 10% instead.


 13.6660, 0.3104,
0.5917


 13.6660, 0.3104,
0.5917


215.1430, 0.3239,
0.4260


 7.8887, 0.2960,
0.6459


 32.4952, 0.3215,
0.5220


 4.0238, 0.2698,
0.7302

 46.3159, 0.3234,
0.4986


 1.6869, 0.1581,
0.8419

 63.5866, 0.3242,
0.4801

 0.4152, 0.0000,
1.0000

 84.6916, 0.3246,
0.4651


 0.0000, 0.0000,
0.0000

 110.0154, 0.3246,
0.4527


 139.9423, 0.3245,

0.4423


 174.8567, 0.3242,
0.4336


 13.6660, 0.3104,
0.5917

 13.6660, 0.3104,
0.5917


 13.6660, 0.3104,
0.5918

 13.8407, 0.3136,
0.5770

 14.0715, 0.3168,
0.5578

 14.3710, 0.3191,
0.5328

 14.7446, 0.3204,
0.5036

 15.1972, 0.3206,
0.4721

■ 15.7330, 0.3200,
0.4401

■ 16.3562, 0.3188,
0.4091

■ 17.0705, 0.3170,
0.3799

■ 17.8794, 0.3149,
0.3531

Harmonies

Analogous

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



13.6660, 0.4262, 0.5440



13.6660, 0.3104, 0.5917



13.6660, 0.2009, 0.4988

Triad

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



13.6660, 0.3104, 0.5917



13.6660, 0.1186, 0.1560



13.6660, 0.5296, 0.2843

Complementary

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



13.6660, 0.3104, 0.5917



3.6858, 0.2666, 0.1243

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.



13.6660, 0.3993, 0.2157



13.6660, 0.3104, 0.5917



13.6660, 0.1666, 0.1461

Square

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



13.6660, 0.3104, 0.5917



13.6660, 0.1060, 0.2072



13.6660, 0.2604, 0.1668



13.6660, 0.5733, 0.3611

Rectangle

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



13.6660, 0.3104, 0.5917



13.6660, 0.1475, 0.3805



13.6660, 0.2604, 0.1668



13.6660, 0.4927, 0.2601

Sweetspot

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



13.6666, 0.3104, 0.5917



28.6765, 0.3189, 0.4114



11.6496, 0.4655, 0.4685



6.7042, 0.3194, 0.4219



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.



13.6666, 0.3104, 0.5917



23.9831, 0.3091, 0.5928



13.5380, 0.2892, 0.5610



4.4894, 0.3148, 0.3509



14.9028, 0.3102, 0.5919



70.7667, 0.3075, 0.5941

Inverse Universe

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



3.6858, 0.2666, 0.1243



6.4193, 0.2653, 0.1235



4.6990, 0.3987, 0.1970



4.0342, 0.3104, 0.3077



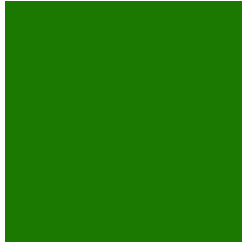
4.0128, 0.2664, 0.1241



18.7506, 0.2635, 0.1225

Previews

White Background



This preview shows how the Yxy color 13.6660, 0.3104, 0.5917 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

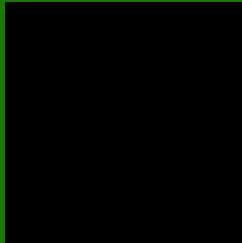
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6660, 0.3104, 0.5917

Background



This preview shows how black text looks on a background with the Yxy color 13.6660, 0.3104, 0.5917.



This preview shows how white text looks on a background with the Yxy color 13.6660, 0.3104, 0.5917.

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

13.6660, 0.3104, 0.5917

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.5558, 0.4559, 0.4491



Tritanopia

13.8096, 0.2424, 0.3078

Trichromacy



Original Color

13.6660, 0.3104, 0.5917

Protanomaly

12.8221, 0.3811, 0.5356

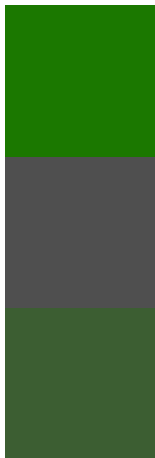
Deuteranomaly

12.6757, 0.3922, 0.5089

Tritanomaly

13.3552, 0.2754, 0.4300

Monochromacy



Original Color

13.6660, 0.3104, 0.5917

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.1964, 0.3206, 0.4577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6660, 0.3104, 0.5917 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(27, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(27, 120, 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(27, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6660, 0.3104, 0.5917 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(27, 120, 0) }
```

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

```
.border{ border-color:rgb(27, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(27, 120, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6660, 0.3104, 0.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 120, 0) }
```

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

```
.background{ background-color: rgb(27, 120,  
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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