

Converting Colors

$Y_{xy}(16.8766, 0.3024, 0.3020)$

Have a look what the booklet for
Yxy(16.8766, 0.3024, 0.3020)
contains.

Yxy(16.8766, 0.3024, 0.3020)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8766, 0.3024, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	75707E
RGB	117, 112, 126
RGB Percent	46%, 44%, 49%
CMY	0.5411, 0.5608, 0.5059
CMYK	0.07, 0.11, 0.00, 0.51
HSL	262°, 6%, 47%
HSV	262°, 11%, 49%
XYZ	16.8990, 16.8766, 22.1072
YIQ	115.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

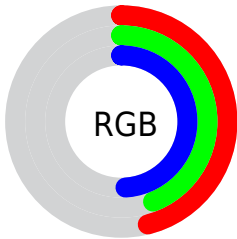
Format	Color
R_{YB}	117, 112, 126
Decimal	7696510
CIE Lab	48.10, 4.84, -7.03
CIE LCh	48, 8.533, 304.579
Yxy	16.8766, 0.3024, 0.3020
Android (android.graphics.Color)	4285886590 (0xFF75707E)
YUV	115.0910, 5.3781, 1.6742
Hunter-Lab	41.0811, 1.5350, -3.1493

Details

The Yxy color **16.8766, 0.3024, 0.3020** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.1560, 0.3223, 0.3556**, and the grayscale version is **17.1585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2406, 0.3045, 0.3083**, and **5.4678, 0.2981, 0.2897** is the 20% darker color. If you saturate the color by 10%, you get **13.7531, 0.2916, 0.2754**, and if you desaturate by 10%, it is **20.4390, 0.3118, 0.3264**.

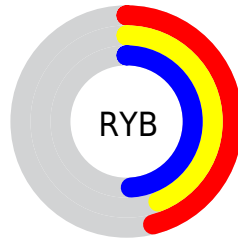
Distribution



Red (46%)

Green (44%)

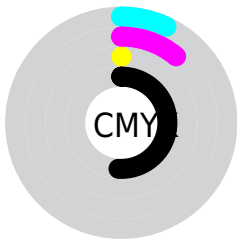
Blue (49%)



Red (46%)

Yellow (44%)

Blue (49%)

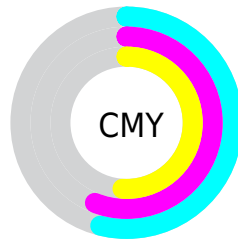


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (51%)



Cyan (54%)

Magenta (56%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8766, 0.3024, 0.3020 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 16.8766, 0.3024, 0.3020 by changing the saturation by 10% instead.

■ 16.8766, 0.3024,
0.3020

■ 16.8766, 0.3024,
0.3020

■ 234.4603, 0.3085,
0.3176

■ 10.1465, 0.3004,
0.2972

■ 38.1135, 0.3049,
0.3083

■ 5.4962, 0.2976,
0.2903

■ 53.3891, 0.3057,
0.3104

■ 2.5413, 0.2930,
0.2797

■ 72.2820, 0.3064,
0.3122

■ 0.8972, 0.2846,
0.2611

■ 95.1767, 0.3070,
0.3136

■ 0.0000, 0.0000,
0.0000

■ 122.4574, 0.3075,
0.3148

■ 154.5087, 0.3079,

0.3159

191.7148, 0.3082,
0.3168

■ 16.8766, 0.3024,
0.3020

■ 16.8766, 0.3024,
0.3020

■ 13.7531, 0.2916,
0.2754

■ 20.4390, 0.3118,
0.3264

■ 11.0490, 0.2794,
0.2468

■ 24.4544, 0.3198,
0.3485

■ 8.7465, 0.2658,
0.2169

■ 28.9390, 0.3266,
0.3683

■ 6.8260, 0.2511,
0.1866

■ 33.9076, 0.3325,
0.3859

■ 5.2656, 0.2357,
0.1572

■ 39.3741, 0.3374,
0.4016

■ 4.0417, 0.2202,
0.1302

■ 45.3521, 0.3415,
0.4155

■ 3.1274, 0.2053,
0.1073

■ 51.8546, 0.3450,
0.4278

■ 2.4916, 0.1919,
0.0898

■ 58.8940, 0.3480,
0.4387

■ 2.0701, 0.1812,
0.0772

■ 66.4824, 0.3504,
0.4484

Harmonies

Analogous

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



16.8766, 0.2886, 0.3014



16.8766, 0.3024, 0.3020



16.8766, 0.3193, 0.3093

Triad

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



16.8766, 0.3024, 0.3020



16.8766, 0.3451, 0.3490



16.8766, 0.2909, 0.3362

Complementary

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



16.8766, 0.3024, 0.3020



20.1560, 0.3223, 0.3556

Split Complementary

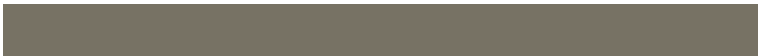
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.8766, 0.3056, 0.3500



16.8766, 0.3024, 0.3020



16.8766, 0.3370, 0.3572

Square

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



16.8766, 0.3024, 0.3020



16.8766, 0.3443, 0.3359



16.8766, 0.3224, 0.3577



16.8766, 0.2822, 0.3207

Rectangle

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



16.8766, 0.3024, 0.3020



16.8766, 0.3300, 0.3171



16.8766, 0.3224, 0.3577



16.8766, 0.2953, 0.3412

Sweetspot

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



16.8773, 0.3024, 0.3020



34.6891, 0.3100, 0.3218



18.6504, 0.2963, 0.3195



7.7839, 0.3094, 0.3201



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.8773, 0.3024, 0.3020



28.4392, 0.3002, 0.2964



17.3715, 0.3112, 0.3027



4.2810, 0.3044, 0.3071



2.1213, 0.1811, 0.0771



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4030, 0.3201, 0.3122



29.5350, 0.3218, 0.3087



19.6768, 0.3139, 0.3563



4.3870, 0.3187, 0.3153



5.1553, 0.4331, 0.2160



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8766, 0.3024, 0.3020 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 16.8766, 0.3024, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

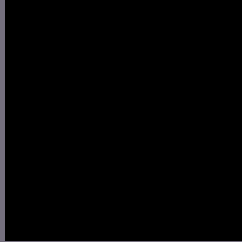
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

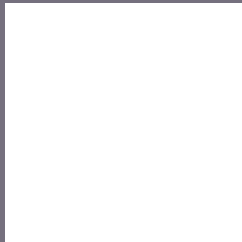
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8766, 0.3024, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 16.8766, 0.3024, 0.3020.



This preview shows how white text looks on a background with the Yxy color 16.8766, 0.3024, 0.3020.

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

16.8766, 0.3024, 0.3020

Protanopia

16.7873, 0.2950, 0.3016

Deuteranopia

16.8683, 0.3062, 0.3004



Tritanopia

16.9284, 0.3058, 0.3115

Trichromacy



Original Color

16.8766, 0.3024, 0.3020

Protanomaly

16.9200, 0.2974, 0.3018

Deuteranomaly

16.7972, 0.3050, 0.3003

Tritanomaly

16.9533, 0.3046, 0.3095

Monochromacy



Original Color

16.8766, 0.3024, 0.3020

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0795, 0.3093, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8766, 0.3024, 0.3020 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(117, 112, 126)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 126)  
}
```

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(117, 112, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 126) }
```

Border

The CSS property to change the border of an element to Yxy 16.8766, 0.3024, 0.3020 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(117, 112, 126) }
```

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

```
.border{ border-color:rgb(117, 112, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 126);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8766, 0.3024, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 126) }
```

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

```
.background{ background-color: rgb(117,  
112, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor