

Converting Colors

$Y_{xy}(16.8739, 0.2772, 0.3081)$

Have a look what the booklet for
Yxy(16.8739, 0.2772, 0.3081)
contains.

Yxy(16.8225, 0.2767, 0.3065)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8225, 0.2767, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	617580
RGB	97, 117, 128
RGB Percent	38%, 46%, 50%
CMY	0.6197, 0.5412, 0.4979
CMYK	0.24, 0.09, 0.00, 0.50
HSL	201°, 14%, 44%
HSV	201°, 24%, 50%
XYZ	15.1869, 16.8225, 22.8764
YIQ	112.2740, -15.4510, -0.8190

Conversions

Conversions Part 2

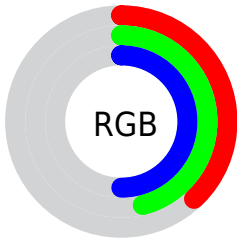
Format	Color
R _Y B	97, 109, 128
Decimal	6387072
CIE Lab	48.04, -4.70, -8.49
CIE LCh	48, 9.704, 241.053
Yxy	16.8225, 0.2767, 0.3065
Android (android.graphics.Color)	4284577152 (0xFF617580)
YUV	112.2740, 7.7529, -13.3953
Hunter-Lab	41.0152, -5.6827, -4.3586

Details

The Yxy color **16.8225, 0.2767, 0.3065** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1787, 0.3558, 0.3505**, and the grayscale version is **16.2677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0080, 0.2848, 0.3116**, and **5.4989, 0.2616, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **15.1425, 0.2620, 0.2957**, and if you desaturate by 10%, it is **18.6688, 0.2916, 0.3164**.

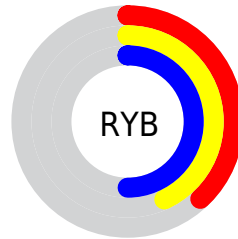
Distribution



Red (38%)

Green (46%)

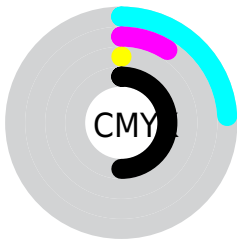
Blue (50%)



Red (38%)

Yellow (43%)

Blue (50%)

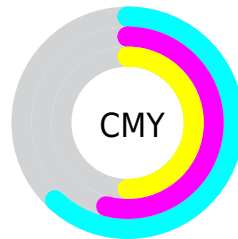


Cyan (24%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8225, 0.2767, 0.3065 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 16.8225, 0.2767, 0.3065 by changing the saturation by 10% instead.

■ 16.8225, 0.2767,
0.3065

■ 16.8225, 0.2767,
0.3065

■ 234.1474, 0.2975,
0.3198

■ 10.1080, 0.2702,
0.3022

■ 38.0203, 0.2851,
0.3119

■ 5.4706, 0.2610,
0.2960

■ 53.2725, 0.2880,
0.3138

■ 2.5260, 0.2466,
0.2861

■ 72.1393, 0.2903,
0.3153

■ 0.8896, 0.2205,
0.2684

■ 95.0052, 0.2923,
0.3165

■ 0.0000, 0.0000,
0.0000

■ 122.2546, 0.2939,
0.3175

■ 154.2718, 0.2953,

0.3184

191.4413, 0.2965,
0.3191

■ 16.8225, 0.2767,
0.3065

■ 16.8225, 0.2767,
0.3065

■ 15.1425, 0.2620,
0.2957

■ 18.6688, 0.2916,
0.3164

■ 13.6205, 0.2478,
0.2842

■ 20.6851, 0.3065,
0.3254

■ 12.2507, 0.2345,
0.2719

■ 22.8776, 0.3211,
0.3336

■ 11.0259, 0.2223,
0.2592

■ 25.2514, 0.3352,
0.3409

■ 9.9380, 0.2117,
0.2461

■ 27.8115, 0.3488,
0.3473

■ 8.9782, 0.2029,
0.2329

■ 30.5626, 0.3618,
0.3531

■ 8.1345, 0.1960,
0.2198

■ 33.5092, 0.3742,
0.3581

■ 7.6818, 0.1923,
0.2123

■ 36.6558, 0.3858,
0.3625

■ 40.0065, 0.3967,
0.3664

Harmonies

Analogous

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



16.8225, 0.2787, 0.3215



16.8225, 0.2767, 0.3065



16.8225, 0.2839, 0.2981

Triad

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



16.8225, 0.2767, 0.3065



16.8225, 0.3360, 0.3187



16.8225, 0.3259, 0.3622

Complementary

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



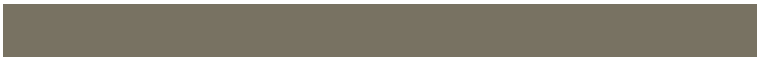
16.8225, 0.2767, 0.3065



16.1787, 0.3558, 0.3505

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.



16.8225, 0.3419, 0.3604



16.8225, 0.2767, 0.3065



16.8225, 0.3479, 0.3349

Square

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



16.8225, 0.2767, 0.3065



16.8225, 0.3179, 0.3054



16.8225, 0.3500, 0.3501



16.8225, 0.3068, 0.3545

Rectangle

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



16.8225, 0.2767, 0.3065



16.8225, 0.2932, 0.2971



16.8225, 0.3500, 0.3501



16.8225, 0.3318, 0.3627

Sweetspot

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



16.8232, 0.2767, 0.3065



35.3396, 0.3022, 0.3229



19.0641, 0.2984, 0.3707



8.2362, 0.3015, 0.3225



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.8232, 0.2767, 0.3065



27.9699, 0.2687, 0.3008



13.5311, 0.2741, 0.2739



4.6380, 0.2993, 0.3212



7.6169, 0.1923, 0.2123



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4213, 0.3307, 0.2910



23.1222, 0.3357, 0.2821



19.7108, 0.3495, 0.3787



4.3873, 0.3186, 0.3152



5.1634, 0.4316, 0.2151



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8225, 0.2767, 0.3065 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 16.8225, 0.2767, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

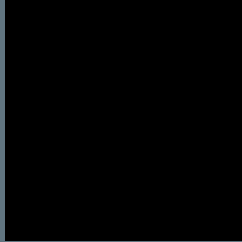
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

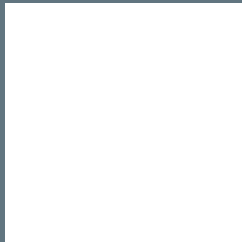
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8225, 0.2767, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 16.8225, 0.2767, 0.3065.



This preview shows how white text looks on a background with the Yxy color 16.8225, 0.2767, 0.3065.

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

16.8225, 0.2767, 0.3065

Protanopia

16.7357, 0.2973, 0.3054

Deuteranopia

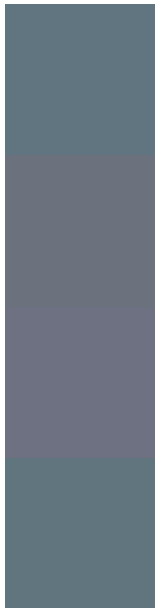
16.8054, 0.3001, 0.2947



Tritanopia

16.7963, 0.2778, 0.3085

Trichromacy



Original Color

16.8225, 0.2767, 0.3065

Protanomaly

16.6668, 0.2901, 0.3051

Deuteranomaly

16.7102, 0.2903, 0.2976

Tritanomaly

16.7963, 0.2778, 0.3085

Monochromacy



Original Color

16.8225, 0.2767, 0.3065

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.4684, 0.2991, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8225, 0.2767, 0.3065 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(97, 117, 128) looks like.

```
.text, #text, p{  
    color:rgb(97, 117, 128)  
}
```

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(97, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 117, 128) }
```

Border

The CSS property to change the border of an element to Yxy 16.8225, 0.2767, 0.3065 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(97, 117, 128) }
```

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

```
.border{ border-color:rgb(97, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(97, 117,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8225, 0.2767, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 117, 128) }
```

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

```
.background{ background-color: rgb(97, 117,  
128) }
```

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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