

Converting Colors

$Yxy(16.9046, 0.2864, 0.3182)$

Have a look what the booklet for
Yxy(16.9046, 0.2864, 0.3182)
contains.

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Color

Yxy(16.8370, 0.2864, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	64757A
RGB	100, 117, 122
RGB Percent	39%, 46%, 48%
CMY	0.6078, 0.5412, 0.5216
CMYK	0.18, 0.04, 0.00, 0.52
HSL	194°, 10%, 44%
HSV	194°, 18%, 48%
XYZ	15.1306, 16.8370, 20.8627
YIQ	112.4870, -11.7370, -2.0490

Conversions

Conversions Part 2

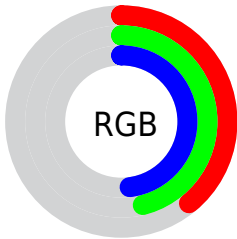
Format	Color
R_{YB}	100, 110, 122
Decimal	6583674
CIE _{Lab}	48.05, -5.11, -4.86
CIE _{LCh}	48, 7.055, 223.573
Yxy	16.8370, 0.2864, 0.3187
Android (android.graphics.Color)	4284773754 (0xFF64757A)
YUV	112.4870, 4.6899, -10.9511
Hunter-Lab	41.0329, -5.9870, -1.4222

Details

The Yxy color **16.8370, 0.2864, 0.3187** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1631, 0.3439, 0.3391**, and the grayscale version is **16.3434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0112, 0.2927, 0.3217**, and **5.4942, 0.2757, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **15.5566, 0.2722, 0.3123**, and if you desaturate by 10%, it is **18.2421, 0.3009, 0.3246**.

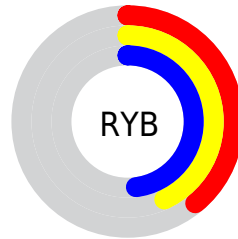
Distribution



Red (39%)

Green (46%)

Blue (48%)



Red (39%)

Yellow (43%)

Blue (48%)

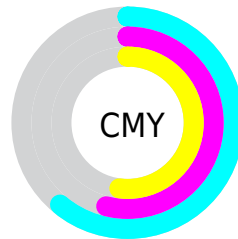


Cyan (18%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (61%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8370, 0.2864, 0.3187 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 16.8370, 0.2864, 0.3187 by changing the saturation by 10% instead.

■ 16.8370, 0.2864,
0.3187

■ 16.8370, 0.2864,
0.3187

234.2313, 0.3017,
0.3248

■ 10.1183, 0.2816,
0.3167

■ 38.0453, 0.2926,
0.3212

■ 5.4775, 0.2748,
0.3137

■ 53.3038, 0.2947,
0.3221

■ 2.5301, 0.2640,
0.3089

■ 72.1776, 0.2964,
0.3228

■ 0.8916, 0.2435,
0.3004

■ 95.0512, 0.2978,
0.3233

■ 0.0000, 0.0000,
0.0000

122.3090, 0.2990,
0.3238

154.3353, 0.3000,

0.3242

191.5146, 0.3009,
0.3245

■ 16.8370, 0.2864,
0.3187

■ 16.8370, 0.2864,
0.3187

■ 15.5566, 0.2722,
0.3123

■ 18.2421, 0.3009,
0.3246

■ 14.3941, 0.2588,
0.3054

■ 19.7743, 0.3156,
0.3300

■ 13.3450, 0.2462,
0.2981

■ 21.4386, 0.3302,
0.3349

■ 12.4038, 0.2349,
0.2904

■ 23.2389, 0.3446,
0.3393

■ 11.5643, 0.2251,
0.2825

■ 25.1792, 0.3586,
0.3432

■ 10.8198, 0.2169,
0.2745

■ 27.2631, 0.3721,
0.3466

■ 10.1624, 0.2106,
0.2664

■ 29.4941, 0.3850,
0.3496

■ 9.5723, 0.2056,
0.2584

■ 31.8757, 0.3973,
0.3522

■ 9.4581, 0.2047,
0.2568

■ 34.4111, 0.4090,
0.3545

Harmonies

Analogous

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



16.8370, 0.2919, 0.3311



16.8370, 0.2864, 0.3187



16.8370, 0.2878, 0.3095

Triad

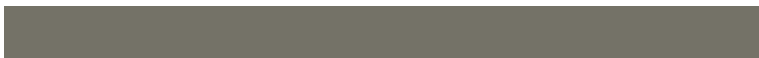
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.8370, 0.2864, 0.3187



16.8370, 0.3223, 0.3154



16.8370, 0.3296, 0.3531

Complementary

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



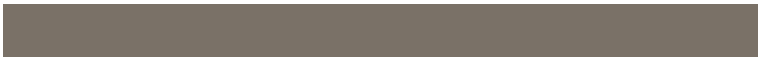
16.8370, 0.2864, 0.3187



15.1631, 0.3439, 0.3391

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.



16.8370, 0.3382, 0.3482



16.8370, 0.2864, 0.3187



16.8370, 0.3339, 0.3264

Square

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



16.8370, 0.2864, 0.3187



16.8370, 0.3083, 0.3078



16.8370, 0.3398, 0.3384



16.8370, 0.3167, 0.3514

Rectangle

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



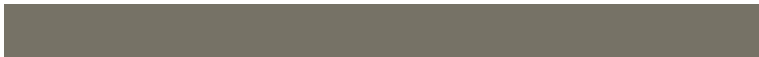
16.8370, 0.2864, 0.3187



16.8370, 0.2924, 0.3062



16.8370, 0.3398, 0.3384



16.8370, 0.3331, 0.3522

Sweetspot

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



16.8377, 0.2864, 0.3187



32.8535, 0.3052, 0.3262



17.6433, 0.3053, 0.3651



7.4781, 0.3044, 0.3259



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.



16.8377, 0.2864, 0.3187



28.5814, 0.2799, 0.3159



14.4736, 0.2853, 0.2960



4.3653, 0.2994, 0.3240



9.9462, 0.2046, 0.2566



46.1201, 0.2035, 0.2524

Inverse Universe

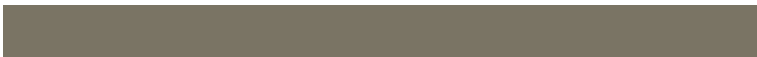
The Inverse Universe completely reimagines the original color for something new.



14.5390, 0.3214, 0.2959



23.7325, 0.3240, 0.2873



17.4948, 0.3404, 0.3599



4.0627, 0.3168, 0.3126



5.2109, 0.3857, 0.1899



24.7230, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 16.8370, 0.2864, 0.3187 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 16.8370, 0.2864, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

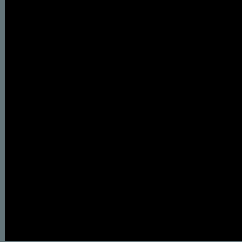
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

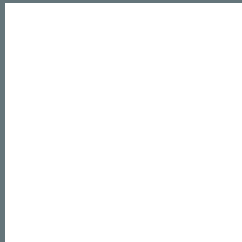
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8370, 0.2864, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 16.8370, 0.2864, 0.3187.



This preview shows how white text looks on a background with the Yxy color 16.8370, 0.2864, 0.3187.

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

16.8370, 0.2864, 0.3187

Protanopia

16.7437, 0.3056, 0.3152

Deuteranopia

16.8639, 0.3112, 0.3061



Tritanopia

16.7638, 0.2832, 0.3087

Trichromacy



Original Color

16.8370, 0.2864, 0.3187

Protanomaly

16.6663, 0.2981, 0.3150

Deuteranomaly

16.7510, 0.3008, 0.3093

Tritanomaly

16.7382, 0.2842, 0.3107

Monochromacy



Original Color

16.8370, 0.2864, 0.3187

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.4837, 0.3026, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8370, 0.2864, 0.3187 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(100, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(100, 117, 122)  
}
```

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(100, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 117, 122) }
```

Border

The CSS property to change the border of an element to Yxy 16.8370, 0.2864, 0.3187 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(100, 117, 122) }
```

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

```
.border{ border-color:rgb(100, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(100, 117,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8370, 0.2864, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 117, 122) }
```

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

```
.background{ background-color: rgb(100,  
117, 122) }
```

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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