

Converting Colors

$Y_{xy}(16.8732, 0.2806, 0.3001)$

Have a look what the booklet for
Yxy(16.8732, 0.2806, 0.3001)
contains.

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Color

Yxy(16.9861, 0.2813, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	677482
RGB	103, 116, 130
RGB Percent	40%, 45%, 51%
CMY	0.5960, 0.5451, 0.4902
CMYK	0.21, 0.11, 0.00, 0.49
HSL	211°, 12%, 46%
HSV	211°, 21%, 51%
XYZ	15.8691, 16.9861, 23.5583
YIQ	113.7090, -12.2420, 1.5980

Conversions

Conversions Part 2

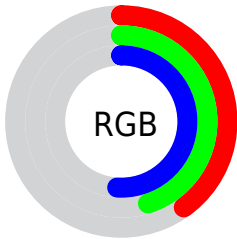
Format	Color
R_{YB}	103, 112, 130
Decimal	6780034
CIE Lab	48.24, -1.59, -9.30
CIE LCh	48, 9.438, 260.332
Yxy	16.9861, 0.2813, 0.3011
Android (android.graphics.Color)	4284970114 (0xFF677482)
YUV	113.7090, 8.0315, -9.3918
Hunter-Lab	41.2142, -3.3952, -5.0406

Details

The Yxy color **16.9861, 0.2813, 0.3011** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4498, 0.3470, 0.3554**, and the grayscale version is **16.7149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2942, 0.2882, 0.3077**, and **5.5406, 0.2664, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **14.7782, 0.2655, 0.2855**, and if you desaturate by 10%, it is **19.4278, 0.2968, 0.3153**.

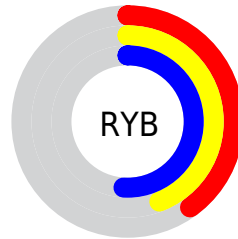
Distribution



Red (40%)

Green (45%)

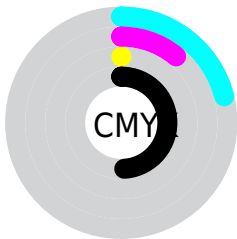
Blue (51%)



Red (40%)

Yellow (44%)

Blue (51%)

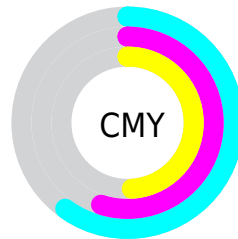


Cyan (21%)

Magenta (11%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9861, 0.2813, 0.3011 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 16.9861, 0.2813, 0.3011 by changing the saturation by 10% instead.

■ 16.9861, 0.2813,
0.3011

■ 16.9861, 0.2813,
0.3011

235.0923, 0.2995,
0.3174

■ 10.2246, 0.2756,
0.2960

■ 38.3019, 0.2887,
0.3077

■ 5.5481, 0.2675,
0.2886

■ 53.6249, 0.2912,
0.3100

■ 2.5723, 0.2550,
0.2771

■ 72.5706, 0.2932,
0.3118

■ 0.9128, 0.2329,
0.2566

■ 95.5233, 0.2949,
0.3133

■ 0.0000, 0.0000,
0.0000

122.8674, 0.2963,
0.3146

154.9874, 0.2975,

0.3156

192.2675, 0.2986,
0.3166

■ 16.9861, 0.2813,
0.3011

■ 16.9861, 0.2813,
0.3011

■ 14.7782, 0.2655,
0.2855

■ 19.4278, 0.2968,
0.3153

■ 12.7940, 0.2496,
0.2685

■ 22.1087, 0.3116,
0.3281

■ 11.0260, 0.2341,
0.2504

■ 25.0365, 0.3258,
0.3395

■ 9.4651, 0.2193,
0.2314

■ 28.2180, 0.3391,
0.3496

■ 8.1015, 0.2058,
0.2119

■ 31.6597, 0.3516,
0.3586

■ 6.9243, 0.1940,
0.1924

■ 35.3678, 0.3632,
0.3664

■ 5.9212, 0.1844,
0.1734

■ 39.3484, 0.3740,
0.3733

■ 5.1181, 0.1768,
0.1565

■ 43.6071, 0.3839,
0.3794

■ 48.1498, 0.3931,
0.3847

Harmonies

Analogous

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



16.9861, 0.2774, 0.3118



16.9861, 0.2813, 0.3011



16.9861, 0.2934, 0.2980

Triad

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



16.9861, 0.2813, 0.3011



16.9861, 0.3437, 0.3290



16.9861, 0.3136, 0.3574

Complementary

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



16.9861, 0.2813, 0.3011



18.4498, 0.3470, 0.3554

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.



16.9861, 0.3317, 0.3616



16.9861, 0.2813, 0.3011



16.9861, 0.3493, 0.3446

Square

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



16.9861, 0.2813, 0.3011



16.9861, 0.3294, 0.3139



16.9861, 0.3449, 0.3567



16.9861, 0.2957, 0.3448

Rectangle

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



16.9861, 0.2813, 0.3011



16.9861, 0.3047, 0.3003



16.9861, 0.3449, 0.3567



16.9861, 0.3199, 0.3598

Sweetspot

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



16.9868, 0.2813, 0.3011



36.3443, 0.3037, 0.3214



20.1310, 0.2959, 0.3548



8.1720, 0.3029, 0.3207



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.



16.9868, 0.2813, 0.3011



27.9954, 0.2737, 0.2938



14.2268, 0.2802, 0.2744



4.5266, 0.2993, 0.3175



4.9216, 0.1769, 0.1568



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7102, 0.3337, 0.3047



25.4272, 0.3398, 0.2987



21.6525, 0.3420, 0.3785



4.3760, 0.3209, 0.3187



4.8913, 0.4971, 0.2512



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9861, 0.2813, 0.3011 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 16.9861, 0.2813, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

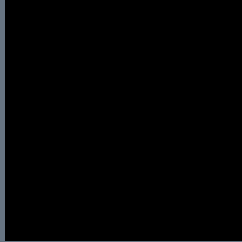
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

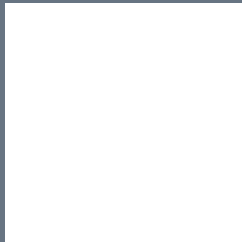
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9861, 0.2813, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 16.9861, 0.2813, 0.3011.



This preview shows how white text looks on a background with the Yxy color 16.9861, 0.2813, 0.3011.

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

16.9861, 0.2813, 0.3011

Protanopia

17.0379, 0.2939, 0.3017

Deuteranopia

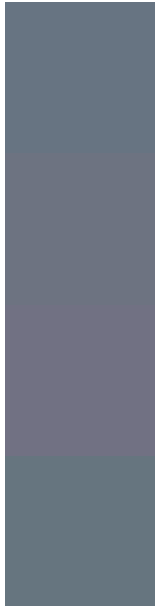
16.8591, 0.2978, 0.2910



Tritanopia

17.0537, 0.2844, 0.3108

Trichromacy



Original Color

16.9861, 0.2813, 0.3011

Protanomaly

17.0977, 0.2892, 0.3015

Deuteranomaly

16.9597, 0.2917, 0.2943

Tritanomaly

17.0797, 0.2834, 0.3089

Monochromacy



Original Color

16.9861, 0.2813, 0.3011

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9325, 0.3005, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9861, 0.2813, 0.3011 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(103, 116, 130)` looks like.

```
.text, #text, p{  
    color:rgb(103, 116, 130)  
}
```

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(103, 116, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 116, 130) }
```

Border

The CSS property to change the border of an element to Yxy 16.9861, 0.2813, 0.3011 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(103, 116, 130) }
```

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

```
.border{ border-color:rgb(103, 116, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 116, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 116, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 116, 130);  
box-shadow:4px 4px 4px 4px rgb(103, 116,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9861, 0.2813, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 116, 130) }
```

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

```
.background{ background-color: rgb(103,  
116, 130) }
```

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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