

Converting Colors

$Y_{xy}(16.8095, 0.2629, 0.2571)$

Have a look what the booklet for
Yxy(16.8095, 0.2629, 0.2571)
contains.

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Color

Yxy(16.7936, 0.2630, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	697096
RGB	105, 112, 150
RGB Percent	41%, 44%, 59%
CMY	0.5882, 0.5608, 0.4117
CMYK	0.30, 0.25, 0.00, 0.41
HSL	231°, 18%, 50%
HSV	231°, 30%, 59%
XYZ	17.1257, 16.7936, 31.1974
YIQ	114.2390, -16.3700, 10.3340

Conversions

Conversions Part 2

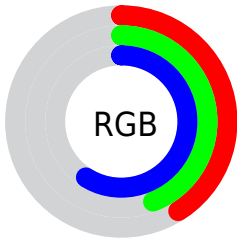
Format	Color
R_{YB}	105, 111, 150
Decimal	6910102
CIE Lab	48.00, 6.55, -21.51
CIE LCh	48, 22.483, 286.933
Yxy	16.7936, 0.2630, 0.2579
Android (android.graphics.Color)	4285100182 (0xFF697096)
YUV	114.2390, 17.6302, -8.1026
Hunter-Lab	40.9800, 2.8808, -16.4505

Details

The Yxy color **16.7936, 0.2630, 0.2579** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.1543, 0.3596, 0.3913**, and the grayscale version is **16.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0787, 0.2747, 0.2747**, and **5.4084, 0.2415, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **13.3627, 0.2440, 0.2293**, and if you desaturate by 10%, it is **20.7794, 0.2810, 0.2842**.

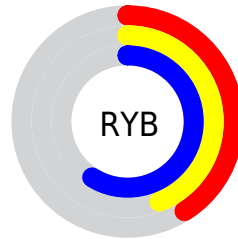
Distribution



Red (41%)

Green (44%)

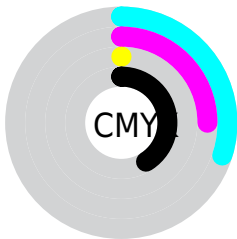
Blue (59%)



Red (41%)

Yellow (44%)

Blue (59%)

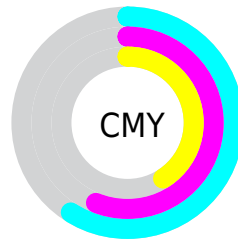


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (59%)

Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7936, 0.2630, 0.2579 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 16.7936, 0.2630, 0.2579 by changing the saturation by 10% instead.

■ 16.7936, 0.2630,
0.2579

■ 16.7936, 0.2630,
0.2579

■ 233.9801, 0.2918,
0.2981

■ 10.0874, 0.2542,
0.2461

■ 37.9706, 0.2746,
0.2738

■ 5.4570, 0.2417,
0.2296

■ 53.2102, 0.2786,
0.2794

■ 2.5178, 0.2228,
0.2056

■ 72.0630, 0.2818,
0.2839

■ 0.8855, 0.1916,
0.1676

■ 94.9135, 0.2845,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 122.1461, 0.2868,
0.2909

■ 154.1451, 0.2887,

0.2937

191.2950, 0.2904,
0.2960

■ 16.7936, 0.2630,
0.2579

■ 16.7936, 0.2630,
0.2579

■ 13.3627, 0.2440,
0.2293

■ 20.7794, 0.2810,
0.2842

■ 10.4601, 0.2245,
0.1992

■ 25.3415, 0.2976,
0.3079

■ 8.0597, 0.2055,
0.1687

■ 30.5022, 0.3127,
0.3290

■ 6.1324, 0.1880,
0.1393

■ 36.2823, 0.3262,
0.3475

■ 4.6462, 0.1731,
0.1129

■ 42.7015, 0.3383,
0.3636

■ 3.5648, 0.1619,
0.0911

■ 49.7787, 0.3490,
0.3776

■ 2.8280, 0.1542,
0.0749

■ 57.5318, 0.3584,
0.3898

■ 65.9783, 0.3667,
0.4003

■ 75.1348, 0.3741,
0.4094

Harmonies

Analogous

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



16.7936, 0.2382, 0.2650



16.7936, 0.2630, 0.2579



16.7936, 0.3023, 0.2674

Triad

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



16.7936, 0.2630, 0.2579



16.7936, 0.4008, 0.3585



16.7936, 0.2760, 0.3722

Complementary

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



16.7936, 0.2630, 0.2579



27.1543, 0.3596, 0.3913

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.



16.7936, 0.3181, 0.4024



16.7936, 0.2630, 0.2579



16.7936, 0.3915, 0.3899

Square

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



16.7936, 0.2630, 0.2579



16.7936, 0.3844, 0.3229



16.7936, 0.3606, 0.4077



16.7936, 0.2451, 0.3290

Rectangle

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



16.7936, 0.2630, 0.2579



16.7936, 0.3324, 0.2816



16.7936, 0.3606, 0.4077



16.7936, 0.2893, 0.3845

Sweetspot

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



16.7943, 0.2630, 0.2579



45.4260, 0.2989, 0.3098



26.7881, 0.2767, 0.3423



9.8138, 0.2968, 0.3068



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.7943, 0.2630, 0.2579



25.4674, 0.2503, 0.2390



16.2998, 0.2788, 0.2483



5.7700, 0.2989, 0.3097



2.3777, 0.1544, 0.0758



0.0568, 0.1700, 0.1321

Inverse Universe

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



17.7588, 0.3672, 0.3172



27.6120, 0.3846, 0.3144



27.9878, 0.3400, 0.4058



5.8292, 0.3259, 0.3256



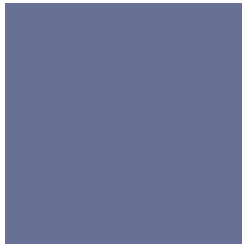
5.4334, 0.6137, 0.3154



0.0693, 0.5298, 0.2692

Previews

White Background



This preview shows how the Yxy color 16.7936, 0.2630, 0.2579 looks on a white background.

Color Contrast Check

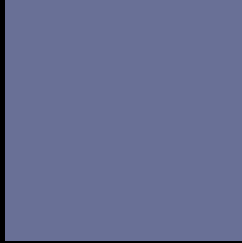
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7936, 0.2630, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

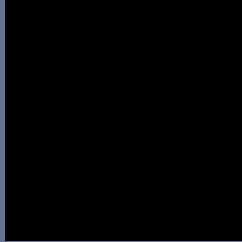
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7936, 0.2630, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 16.7936, 0.2630, 0.2579.



This preview shows how white text looks on a background with the Yxy color 16.7936, 0.2630, 0.2579.

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

16.7936, 0.2630, 0.2579

Protanopia

16.6739, 0.2609, 0.2575

Deuteranopia

16.7936, 0.2630, 0.2579



Tritanopia

16.7065, 0.2820, 0.3086

Trichromacy



Original Color

16.7936, 0.2630, 0.2579

Protanomaly

16.7334, 0.2619, 0.2577

Deuteranomaly

16.7936, 0.2630, 0.2579

Tritanomaly

16.8355, 0.2749, 0.2895

Monochromacy



Original Color

16.7936, 0.2630, 0.2579

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7221, 0.2937, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7936, 0.2630, 0.2579 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(105, 112, 150)` looks like.

```
.text, #text, p{  
    color:rgb(105, 112, 150)  
}
```

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(105, 112, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 112, 150) }
```

Border

The CSS property to change the border of an element to Yxy 16.7936, 0.2630, 0.2579 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(105, 112, 150) }
```

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

```
.border{ border-color:rgb(105, 112, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 112, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 112, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 112, 150);  
box-shadow:4px 4px 4px 4px rgb(105, 112,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7936, 0.2630, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 112, 150) }
```

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

```
.background{ background-color: rgb(105,  
112, 150) }
```

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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