

Converting Colors

$Y_{xy}(19.4756, 0.2668, 0.2638)$

Have a look what the booklet for
Yxy(19.4756, 0.2668, 0.2638)
contains.

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Color

Yxy(19.3780, 0.2665, 0.2633)

Conversions

Conversions Part 1

Format	Color
Hex	71789D
RGB	113, 120, 157
RGB Percent	44%, 47%, 62%
CMY	0.5568, 0.5294, 0.3843
CMYK	0.28, 0.24, 0.00, 0.38
HSL	230°, 18%, 53%
HSV	230°, 28%, 62%
XYZ	19.6135, 19.3780, 34.6051
YIQ	122.1250, -16.0490, 10.0230

Conversions

Conversions Part 2

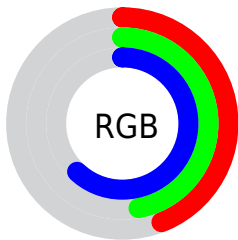
Format	Color
R_{YB}	113, 119, 157
Decimal	7436445
CIE _{Lab}	51.13, 6.13, -20.75
CIE _{LCh}	51, 21.637, 286.453
Yxy	19.3780, 0.2665, 0.2633
Android (android.graphics.Color)	4285626525 (0xFF71789D)
YUV	122.1250, 17.1934, -8.0026
Hunter-Lab	44.0204, 2.4957, -15.7945

Details

The Yxy color **19.3780, 0.2665, 0.2633** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.1786, 0.3565, 0.3871**, and the grayscale version is **19.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3655, 0.2769, 0.2770**, and **6.7653, 0.2479, 0.2385** is the 20% darker color. If you saturate the color by 10%, you get **15.4652, 0.2476, 0.2351**, and if you desaturate by 10%, it is **23.9107, 0.2843, 0.2891**.

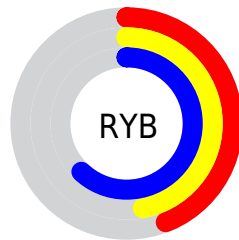
Distribution



Red (44%)

Green (47%)

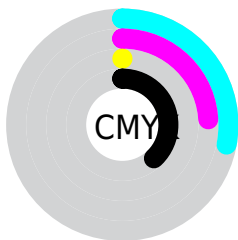
Blue (62%)



Red (44%)

Yellow (47%)

Blue (62%)

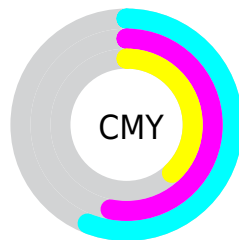


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3780, 0.2665, 0.2633 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 19.3780, 0.2665, 0.2633 by changing the saturation by 10% instead.

■ 19.3780, 0.2665,
0.2633

■ 19.3780, 0.2665,
0.2633

■ 248.5277, 0.2928,
0.2998

■ 11.9437, 0.2587,
0.2528

■ 42.3719, 0.2769,
0.2775

■ 6.7054, 0.2478,
0.2385

■ 58.7002, 0.2806,
0.2826

■ 3.2785, 0.2317,
0.2178

■ 78.7621, 0.2835,
0.2867

■ 1.2788, 0.2058,
0.1857

■ 102.9419, 0.2860,
0.2902

■ 0.1247, 0.1263,
0.0587

■ 131.6239, 0.2881,
0.2932

■ 0.0000, 0.0000,
0.0000

165.1926, 0.2899,

0.2957

204.0324, 0.2914,
0.2979

■ 19.3780, 0.2665,
0.2633

■ 19.3780, 0.2665,
0.2633

■ 15.4652, 0.2476,
0.2351

■ 23.9107, 0.2843,
0.2891

■ 12.1428, 0.2281,
0.2052

■ 29.0864, 0.3007,
0.3123

■ 9.3825, 0.2089,
0.1746

■ 34.9298, 0.3155,
0.3329

■ 7.1527, 0.1910,
0.1449

■ 41.4636, 0.3288,
0.3509

■ 5.4183, 0.1756,
0.1177

■ 48.7096, 0.3406,
0.3665

■ 4.1401, 0.1637,
0.0950

■ 56.6884, 0.3511,
0.3801

■ 3.2638, 0.1555,
0.0778

■ 65.4198, 0.3603,
0.3919

■ 3.1267, 0.1542,
0.0749

■ 74.9231, 0.3685,
0.4021

■ 85.2165, 0.3757,
0.4110

Harmonies

Analogous

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



19.3780, 0.2437, 0.2704



19.3780, 0.2665, 0.2633



19.3780, 0.3026, 0.2718

Triad

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



19.3780, 0.2665, 0.2633



19.3780, 0.3935, 0.3561



19.3780, 0.2797, 0.3690

Complementary

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



19.3780, 0.2665, 0.2633



30.1786, 0.3565, 0.3871

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.



19.3780, 0.3186, 0.3962



19.3780, 0.2665, 0.2633



19.3780, 0.3854, 0.3849

Square

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



19.3780, 0.2665, 0.2633



19.3780, 0.3780, 0.3231



19.3780, 0.3575, 0.4011



19.3780, 0.2508, 0.3299

Rectangle

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



19.3780, 0.2665, 0.2633



19.3780, 0.3303, 0.2848



19.3780, 0.3575, 0.4011



19.3780, 0.2920, 0.3801

Sweetspot

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



19.3788, 0.2665, 0.2633



51.9551, 0.3005, 0.3120



29.8174, 0.2787, 0.3413



11.1269, 0.2982, 0.3089



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.3788, 0.2665, 0.2633



29.9322, 0.2540, 0.2448



18.8119, 0.2814, 0.2539



6.5970, 0.2988, 0.3096



2.5772, 0.1544, 0.0759



0.0881, 0.1695, 0.1301

Inverse Universe

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



20.3376, 0.3625, 0.3177



32.1296, 0.3791, 0.3149



31.0878, 0.3384, 0.4007



6.6625, 0.3260, 0.3255



5.8824, 0.6136, 0.3154



0.1094, 0.5325, 0.2707

Previews

White Background



This preview shows how the Yxy color 19.3780, 0.2665, 0.2633 looks on a white 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

Black Background



This preview shows how the Yxy color 19.3780, 0.2665, 0.2633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

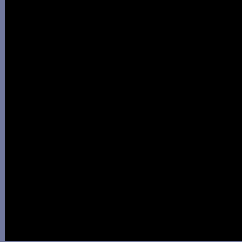
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

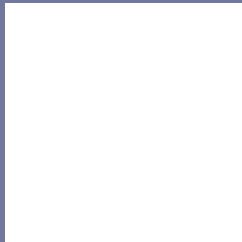
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3780, 0.2665, 0.2633

Background



This preview shows how black text looks on a background with the Yxy color 19.3780, 0.2665, 0.2633.



This preview shows how white text looks on a background with the Yxy color 19.3780, 0.2665, 0.2633.

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

19.3780, 0.2665, 0.2633

Protanopia

19.3120, 0.2655, 0.2631

Deuteranopia

19.5121, 0.2685, 0.2637



Tritanopia

19.3247, 0.2837, 0.3098

Trichromacy



Original Color

19.3780, 0.2665, 0.2633

Protanomaly

19.3120, 0.2655, 0.2631

Deuteranomaly

19.4447, 0.2675, 0.2635

Tritanomaly

19.4339, 0.2779, 0.2936

Monochromacy



Original Color

19.3780, 0.2665, 0.2633

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3460, 0.2948, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3780, 0.2665, 0.2633 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(113, 120, 157)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 157)  
}
```

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(113, 120, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 157) }
```

Border

The CSS property to change the border of an element to Yxy 19.3780, 0.2665, 0.2633 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(113, 120, 157) }
```

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

```
.border{ border-color:rgb(113, 120, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 157);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3780, 0.2665, 0.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 157) }
```

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

```
.background{ background-color: rgb(113,  
120, 157) }
```

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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