

Converting Colors

$Y_{xy}(18.7828, 0.2167, 0.2000)$

Have a look what the booklet for
Yxy(18.7828, 0.2167, 0.2000)
contains.

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Color

Yxy(18.7828, 0.2167, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	5875C4
RGB	88, 117, 196
RGB Percent	35%, 46%, 77%
CMY	0.6548, 0.5412, 0.2314
CMYK	0.55, 0.40, 0.00, 0.23
HSL	224°, 48%, 56%
HSV	224°, 55%, 77%
XYZ	20.3512, 18.7828, 54.7800
YIQ	117.3350, -42.6430, 18.4210

Conversions

Conversions Part 2

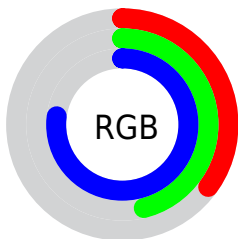
Format	Color
R _Y B	88, 111, 196
Decimal	5797316
CIE Lab	50.43, 12.78, -44.53
CIE LCh	50, 46.328, 286.014
Yxy	18.7828, 0.2167, 0.2000
Android (android.graphics.Color)	4283987396 (0xFF5875C4)
YUV	117.3350, 38.7818, -25.7268
Hunter-Lab	43.3391, 7.9765, -44.6043

Details

The Yxy color **18.7828, 0.2167, 0.2000** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **40.0897, 0.4106, 0.4292**, and the grayscale version is **17.7873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4875, 0.2373, 0.2258**, and **6.3798, 0.1828, 0.1589** is the 20% darker color. If you saturate the color by 10%, you get **14.8621, 0.1994, 0.1723**, and if you desaturate by 10%, it is **23.4739, 0.2351, 0.2274**.

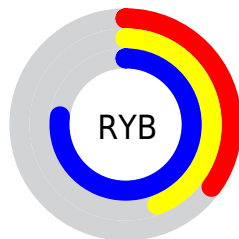
Distribution



Red (35%)

Green (46%)

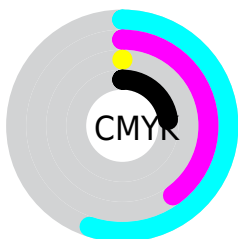
Blue (77%)



Red (35%)

Yellow (44%)

Blue (77%)

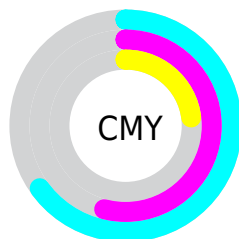


Cyan (55%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (65%)

Magenta (54%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7828, 0.2167, 0.2000 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 18.7828, 0.2167, 0.2000 by changing the saturation by 10% instead.

■ 18.7828, 0.2167,
0.2000

■ 18.7828, 0.2167,
0.2000

245.2471, 0.2698,
0.2683

■ 11.5134, 0.2022,
0.1825

■ 41.3668, 0.2370,
0.2254

■ 6.4133, 0.1832,
0.1600

■ 57.4501, 0.2443,
0.2348

■ 3.0980, 0.1574,
0.1310

■ 77.2403, 0.2504,
0.2426

■ 1.1831, 0.1219,
0.0933

■ 101.1217, 0.2555,
0.2493

■ 0.0478, 0.0630,
0.0084

129.4787, 0.2599,
0.2551

■ 0.0000, 0.0000,
0.0000

162.6956, 0.2636,

0.2600

201.1570, 0.2669,
0.2644

■ 18.7828, 0.2167,
0.2000

■ 18.7828, 0.2167,
0.2000

■ 14.8621, 0.1994,
0.1723

■ 23.4739, 0.2351,
0.2274

■ 11.6655, 0.1840,
0.1456

■ 28.9739, 0.2537,
0.2536

■ 9.1443, 0.1715,
0.1213

■ 35.3211, 0.2718,
0.2779

■ 7.2412, 0.1624,
0.1007

■ 42.5506, 0.2890,
0.3000

■ 6.4951, 0.1589,
0.0920

■ 50.6952, 0.3050,
0.3198

■ 59.7864, 0.3198,
0.3373

■ 69.8538, 0.3332,
0.3526

■ 80.9259, 0.3453,
0.3660

■ 91.1979, 0.3496,
0.3788

Harmonies

Analogous

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



18.7828, 0.1763, 0.2091



18.7828, 0.2167, 0.2000



18.7828, 0.2868, 0.2169

Triad

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



18.7828, 0.2167, 0.2000



18.7828, 0.4852, 0.3709



18.7828, 0.2403, 0.4221

Complementary

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



18.7828, 0.2167, 0.2000



40.0897, 0.4106, 0.4292

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.



18.7828, 0.3182, 0.4853



18.7828, 0.2167, 0.2000



18.7828, 0.4615, 0.4328

Square

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



18.7828, 0.2167, 0.2000



18.7828, 0.4540, 0.3096



18.7828, 0.3990, 0.4814



18.7828, 0.1866, 0.3260

Rectangle

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



18.7828, 0.2167, 0.2000



18.7828, 0.3458, 0.2406



18.7828, 0.3990, 0.4814



18.7828, 0.2646, 0.4498

Sweetspot

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



18.7834, 0.2167, 0.2000



74.0914, 0.2854, 0.2954



44.2895, 0.2601, 0.3766



15.2739, 0.2819, 0.2910



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.7834, 0.2167, 0.2000



25.6965, 0.1962, 0.1670



14.3755, 0.2270, 0.1626



10.1779, 0.2984, 0.3117



4.2965, 0.1595, 0.0943



0.3037, 0.1723, 0.1402

Inverse Universe

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



20.0038, 0.4295, 0.2916



29.6900, 0.4717, 0.2871



49.0268, 0.3704, 0.4699



10.1213, 0.3248, 0.3228



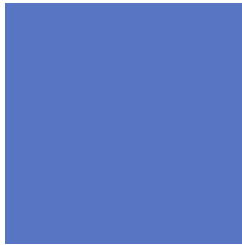
7.7160, 0.5846, 0.2994



0.3453, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 18.7828, 0.2167, 0.2000 looks on a white background.

Color Contrast Check

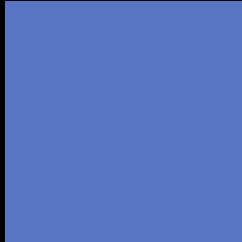
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7828, 0.2167, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

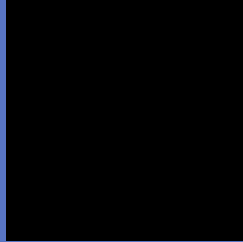
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7828, 0.2167, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 18.7828, 0.2167, 0.2000.

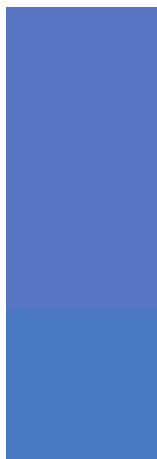


This preview shows how white text looks on a background with the Yxy color 18.7828, 0.2167, 0.2000.

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

18.7828, 0.2167, 0.2000

Protanopia

18.7828, 0.2167, 0.2000

Deuteranopia

18.7895, 0.2092, 0.2035



Tritanopia

18.7579, 0.2436, 0.3083

Trichromacy



Original Color

18.7828, 0.2167, 0.2000

Protanomaly

18.7828, 0.2167, 0.2000

Deuteranomaly

18.7535, 0.2116, 0.2026

Tritanomaly

18.7012, 0.2326, 0.2624

Monochromacy



Original Color

18.7828, 0.2167, 0.2000

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8621, 0.2688, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7828, 0.2167, 0.2000 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(88, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(88, 117, 196)  
}
```

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(88, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 117, 196) }
```

Border

The CSS property to change the border of an element to Yxy 18.7828, 0.2167, 0.2000 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(88, 117, 196) }
```

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

```
.border{ border-color:rgb(88, 117, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 117, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(88, 117,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7828, 0.2167, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 117, 196) }
```

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

```
.background{ background-color: rgb(88, 117,  
196) }
```

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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