

Converting Colors

$Y_{xy}(18.9771, 0.2011, 0.2015)$

Have a look what the booklet for
Yxy(18.9771, 0.2011, 0.2015)
contains.

Yxy(18.8661, 0.2009, 0.2012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(18.8661, 0.2009, 0.2012)$

Conversions

Conversions Part 1

Format	Color
Hex	397AC6
RGB	57, 122, 198
RGB Percent	22%, 48%, 78%
CMY	0.7765, 0.5215, 0.2236
CMYK	0.71, 0.38, 0.00, 0.22
HSL	212°, 55%, 50%
HSV	212°, 71%, 78%
XYZ	18.8380, 18.8661, 56.0638
YIQ	111.2290, -63.1360, 9.8560

Conversions

Conversions Part 2

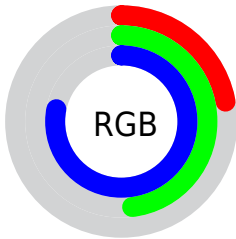
Format	Color
R _Y B	57, 101, 198
Decimal	3766982
CIE Lab	50.53, 4.75, -45.59
CIE LCh	51, 45.841, 275.950
Yxy	18.8661, 0.2009, 0.2012
Android (android.graphics.Color)	4281957062 (0xFF397AC6)
YUV	111.2290, 42.7781, -47.5588
Hunter-Lab	43.4351, 1.4046, -46.1239

Details

The Yxy color **18.8661, 0.2009, 0.2012** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **29.0685, 0.4680, 0.4198**, and the grayscale version is **15.8540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4852, 0.2238, 0.2269**, and **6.9112, 0.1794, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **15.9157, 0.1891, 0.1804**, and if you desaturate by 10%, it is **22.3321, 0.2147, 0.2222**.

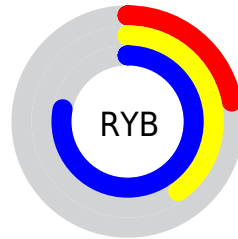
Distribution



Red (22%)

Green (48%)

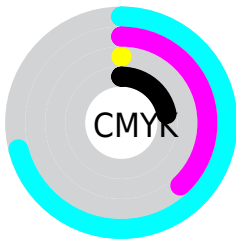
Blue (78%)



Red (22%)

Yellow (40%)

Blue (78%)

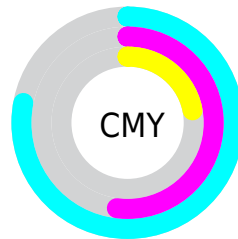


Cyan (71%)

Magenta (38%)

Yellow (0%)

Black (22%)



Cyan (78%)

Magenta (52%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8661, 0.2009, 0.2012 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 18.8661, 0.2009, 0.2012 by changing the saturation by 10% instead.

■ 18.8661, 0.2009,
0.2012

■ 18.8661, 0.2009,
0.2012

■ 245.7086, 0.2617,
0.2696

■ 11.5736, 0.1848,
0.1835

■ 41.5077, 0.2238,
0.2267

■ 6.4540, 0.1639,
0.1608

■ 57.6256, 0.2322,
0.2361

■ 3.1231, 0.1364,
0.1313

■ 77.4540, 0.2392,
0.2440

■ 1.1963, 0.1000,
0.0931

■ 101.3774, 0.2451,
0.2507

■ 0.0587, 0.0298,
0.0102

■ 129.7802, 0.2502,
0.2564

■ 0.0000, 0.0000,
0.0000

163.0467, 0.2545,

0.2614

201.5614, 0.2583,
0.2657

■ 18.8661, 0.2009,
0.2012

■ 18.8661, 0.2009,
0.2012

■ 15.9157, 0.1891,
0.1804

■ 22.3321, 0.2147,
0.2222

■ 13.4419, 0.1798,
0.1606

■ 26.3445, 0.2300,
0.2428

■ 11.6074, 0.1734,
0.1442

■ 30.9327, 0.2462,
0.2626

■ 36.1236, 0.2628,
0.2811

■ 41.9417, 0.2794,
0.2981

■ 48.4102, 0.2955,
0.3136

■ 55.5509, 0.3109,
0.3274

■ 63.3844, 0.3255,
0.3397

■ 71.9305, 0.3392,
0.3506

Harmonies

Analogous

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



18.8661, 0.1708, 0.2200



18.8661, 0.2009, 0.2012



18.8661, 0.2609, 0.2097

Triad

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



18.8661, 0.2009, 0.2012



18.8661, 0.4792, 0.3500



18.8661, 0.2654, 0.4483

Complementary

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



18.8661, 0.2009, 0.2012



29.0685, 0.4680, 0.4198

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.



18.8661, 0.3459, 0.4892



18.8661, 0.2009, 0.2012



18.8661, 0.4732, 0.4120

Square

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



18.8661, 0.2009, 0.2012



18.8661, 0.4303, 0.2908



18.8661, 0.4220, 0.4668



18.8661, 0.2023, 0.3578

Rectangle

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



18.8661, 0.2009, 0.2012



18.8661, 0.3154, 0.2285



18.8661, 0.4220, 0.4668



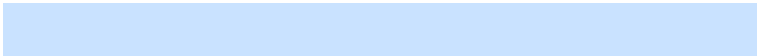
18.8661, 0.2914, 0.4695

Sweetspot

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



18.8667, 0.2009, 0.2012



74.1692, 0.2792, 0.2980



42.9214, 0.2665, 0.4389



15.2333, 0.2746, 0.2933



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.



18.8667, 0.2009, 0.2012



25.8678, 0.1841, 0.1702



8.0175, 0.1795, 0.1057



11.0799, 0.2983, 0.3162



7.7173, 0.1741, 0.1466



0.5099, 0.1852, 0.1866

Inverse Universe

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



16.3352, 0.4370, 0.2526



24.5027, 0.4777, 0.2515



52.0504, 0.4030, 0.4878



10.7169, 0.3219, 0.3184



8.3191, 0.5103, 0.2585



0.4085, 0.4607, 0.2312

Previews

White Background



This preview shows how the Yxy color 18.8661, 0.2009, 0.2012 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 18.8661, 0.2009, 0.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

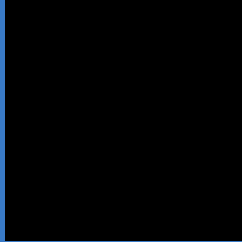
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8661, 0.2009, 0.2012

Background



This preview shows how black text looks on a background with the Yxy color 18.8661, 0.2009, 0.2012.



This preview shows how white text looks on a background with the Yxy color 18.8661, 0.2009, 0.2012.

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

18.8661, 0.2009, 0.2012

Protanopia

18.7465, 0.2197, 0.2039

Deuteranopia

18.7391, 0.2051, 0.1992



Tritanopia

18.7887, 0.2182, 0.3054

Trichromacy



Original Color

18.8661, 0.2009, 0.2012

Protanomaly

18.7535, 0.2116, 0.2026

Deuteranomaly

18.8420, 0.2036, 0.2004

Tritanomaly

18.5403, 0.2084, 0.2600

Monochromacy



Original Color

18.8661, 0.2009, 0.2012

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4688, 0.2558, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8661, 0.2009, 0.2012 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(57, 122, 198)` looks like.

```
.text, #text, p{  
    color:rgb(57, 122, 198)  
}
```

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(57, 122, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 122, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.8661, 0.2009, 0.2012 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(57, 122, 198) }
```

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

```
.border{ border-color:rgb(57, 122, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 122, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 122, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 122, 198);  
box-shadow:4px 4px 4px 4px rgb(57, 122,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8661, 0.2009, 0.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 122, 198) }
```

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

```
.background{ background-color: rgb(57, 122,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor