

Converting Colors

$Y_{xy}(11.8153, 0.2010, 0.1760)$

Have a look what the booklet for
Yxy(11.8153, 0.2010, 0.1760)
contains.

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Color

Yxy(11.8768, 0.2012, 0.1773)

Conversions

Conversions Part 1

Format	Color
Hex	3D5DAE
RGB	61, 93, 174
RGB Percent	24%, 36%, 68%
CMY	0.7609, 0.6353, 0.3176
CMYK	0.65, 0.47, 0.00, 0.32
HSL	223°, 48%, 46%
HSV	223°, 65%, 68%
XYZ	13.4778, 11.8768, 41.6324
YIQ	92.6660, -45.0730, 18.4070

Conversions

Conversions Part 2

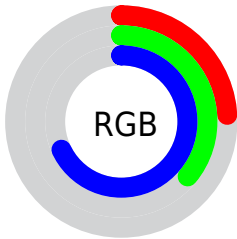
Format	Color
R_{YB}	61, 86, 174
Decimal	4021678
CIE _{Lab}	41.02, 14.96, -46.85
CIE _{LCh}	41, 49.183, 287.707
Yxy	11.8768, 0.2012, 0.1773
Android (android.graphics.Color)	4282211758 (0xFF3D5DAE)
YUV	92.6660, 40.0977, -27.7711
Hunter-Lab	34.4627, 9.4985, -47.5009

Details

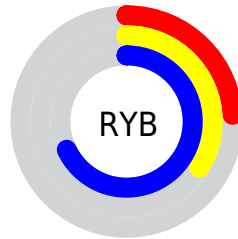
The Yxy color **11.8768, 0.2012, 0.1773** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.6738, 0.4295, 0.4404**, and the grayscale version is **10.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2800, 0.2268, 0.2094**, and **3.4944, 0.1699, 0.1317** is the 20% darker color. If you saturate the color by 10%, you get **9.3986, 0.1859, 0.1510**, and if you desaturate by 10%, it is **14.8918, 0.2183, 0.2043**.

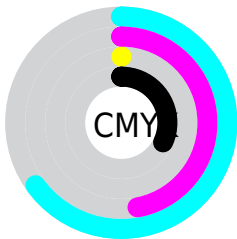
Distribution



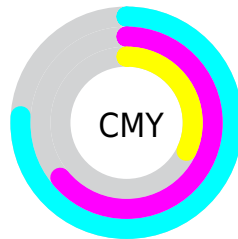
- Red (24%)
- Green (36%)
- Blue (68%)



- Red (24%)
- Yellow (34%)
- Blue (68%)



- Cyan (65%)
- Magenta (47%)
- Yellow (0%)
- Black (32%)



- Cyan (76%)
- Magenta (64%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8768, 0.2012, 0.1773 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 11.8768, 0.2012, 0.1773 by changing the saturation by 10% instead.

■ 11.8768, 0.2012,
0.1773

■ 11.8768, 0.2012,
0.1773

■ 203.5880, 0.2661,
0.2611

■ 6.6598, 0.1823,
0.1549

■ 29.2705, 0.2269,
0.2092

■ 3.2503, 0.1570,
0.1262

■ 42.2161, 0.2360,
0.2208

■ 1.2638, 0.1225,
0.0897

■ 58.5066, 0.2433,
0.2304

■ 0.1129, 0.0715,
0.0171

■ 78.5265, 0.2495,
0.2385

■ 0.0000, 0.0000,
0.0000

■ 102.6602, 0.2546,
0.2454

131.2921, 0.2590,

0.2514

164.8066, 0.2628,
0.2565

■ 11.8768, 0.2012,
0.1773

■ 11.8768, 0.2012,
0.1773

■ 9.3986, 0.1859,
0.1510

■ 14.8918, 0.2183,
0.2043

■ 7.4206, 0.1733,
0.1268

■ 18.4743, 0.2364,
0.2309

■ 5.9026, 0.1640,
0.1059

■ 22.6537, 0.2546,
0.2563

■ 5.2800, 0.1602,
0.0966

■ 27.4570, 0.2725,
0.2798

■ 32.9095, 0.2894,
0.3012

■ 39.0348, 0.3053,
0.3203

■ 45.8555, 0.3199,
0.3373

■ 53.3932, 0.3332,
0.3522

■ 61.6683, 0.3453,
0.3652

Harmonies

Analogous

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



11.8768, 0.1537, 0.1843



11.8768, 0.2012, 0.1773



11.8768, 0.2854, 0.1985

Triad

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



11.8768, 0.2012, 0.1773



11.8768, 0.5219, 0.3758



11.8768, 0.2179, 0.4402

Complementary

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



11.8768, 0.2012, 0.1773



28.6738, 0.4295, 0.4404

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.



11.8768, 0.3084, 0.5248



11.8768, 0.2012, 0.1773



11.8768, 0.4846, 0.4499

Square

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



11.8768, 0.2012, 0.1773



11.8768, 0.4909, 0.3060



11.8768, 0.4051, 0.5146



11.8768, 0.1590, 0.3155

Rectangle

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



11.8768, 0.2012, 0.1773



11.8768, 0.3583, 0.2264



11.8768, 0.4051, 0.5146



11.8768, 0.2456, 0.4777

Sweetspot

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



11.8772, 0.2012, 0.1773



55.2156, 0.2821, 0.2921



33.1641, 0.2563, 0.3899



11.6605, 0.2774, 0.2860



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



11.8772, 0.2012, 0.1773



15.3537, 0.1800, 0.1400



8.2554, 0.2080, 0.1328



8.1131, 0.2986, 0.3123



3.9184, 0.1607, 0.0985



0.2029, 0.1780, 0.1606

Inverse Universe

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



13.1242, 0.4587, 0.2853



19.5200, 0.5116, 0.2844



37.2312, 0.3785, 0.4891



8.0513, 0.3243, 0.3226



6.6986, 0.5781, 0.2958



0.1958, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 11.8768, 0.2012, 0.1773 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 11.8768, 0.2012, 0.1773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

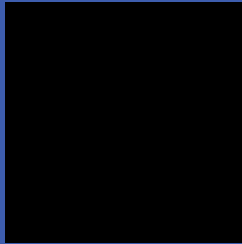
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8768, 0.2012, 0.1773

Background



This preview shows how black text looks on a background with the Yxy color 11.8768, 0.2012, 0.1773.



This preview shows how white text looks on a background with the Yxy color 11.8768, 0.2012, 0.1773.

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

11.8768, 0.2012, 0.1773

Protanopia

11.9704, 0.1988, 0.1772

Deuteranopia

11.8811, 0.1864, 0.1821



Tritanopia

11.9474, 0.2253, 0.3084

Trichromacy



Original Color

11.8768, 0.2012, 0.1773

Protanomaly

12.0001, 0.1993, 0.1774

Deuteranomaly

11.7230, 0.1898, 0.1797

Tritanomaly

11.6736, 0.2135, 0.2502

Monochromacy



Original Color

11.8768, 0.2012, 0.1773

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9832, 0.2591, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8768, 0.2012, 0.1773 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(61, 93, 174)` looks like.

```
.text, #text, p{  
    color:rgb(61, 93, 174)  
}
```

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(61, 93, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 93, 174) }
```

Border

The CSS property to change the border of an element to Yxy 11.8768, 0.2012, 0.1773 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(61, 93, 174) }
```

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

```
.border{ border-color:rgb(61, 93, 174) }
```

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

Here you see how a box with a 4 pixel rgb(61, 93, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 93, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 93, 174);  
box-shadow:4px 4px 4px 4px rgb(61, 93,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8768, 0.2012, 0.1773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 93, 174) }
```

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

```
.background{ background-color: rgb(61, 93,  
174) }
```

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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