

Converting Colors

$Yxy(16.8910, 0.1944, 0.2158)$

Have a look what the booklet for
Yxy(16.8910, 0.1944, 0.2158)
contains.

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Color

Yxy(16.8403, 0.1943, 0.2153)

Conversions

Conversions Part 1

Format	Color
Hex	0B78B5
RGB	11, 120, 181
RGB Percent	4%, 47%, 71%
CMY	0.9565, 0.5294, 0.2901
CMYK	0.94, 0.34, 0.00, 0.29
HSL	202°, 88%, 38%
HSV	202°, 94%, 71%
XYZ	15.1977, 16.8403, 46.1798
YIQ	94.3630, -84.5450, -4.1370

Conversions

Conversions Part 2

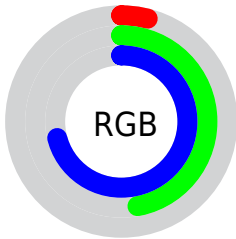
Format	Color
R_{YB}	11, 77, 181
Decimal	751797
CIE Lab	48.06, -4.73, -39.82
CIE LCh	48, 40.101, 263.227
Yxy	16.8403, 0.1943, 0.2153
Android (android.graphics.Color)	4278941877 (0xFF0B78B5)
YUV	94.3630, 42.7120, -73.1094
Hunter-Lab	41.0369, -5.7085, -37.9946

Details

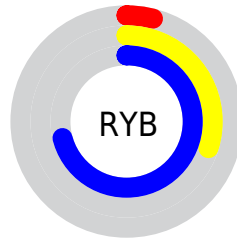
The Yxy color **16.8403, 0.1943, 0.2153** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.5021, 0.5653, 0.3822**, and the grayscale version is **11.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0524, 0.2194, 0.2402**, and **6.1932, 0.1844, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **15.8308, 0.1909, 0.2071**, and if you desaturate by 10%, it is **18.6504, 0.2010, 0.2288**.

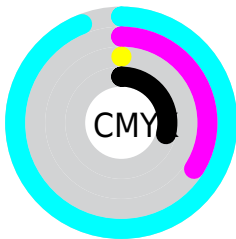
Distribution



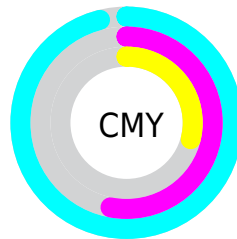
- Red (4%)
- Green (47%)
- Blue (71%)



- Red (4%)
- Yellow (30%)
- Blue (71%)



- Cyan (94%)
- Magenta (34%)
- Yellow (0%)
- Black (29%)



- Cyan (96%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8403, 0.1943, 0.2153 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 16.8403, 0.1943, 0.2153 by changing the saturation by 10% instead.

■ 16.8403, 0.1943,
0.2153

■ 16.8403, 0.1943,
0.2153

■ 234.2504, 0.2594,
0.2789

■ 10.1207, 0.1767,
0.1977

■ 38.0510, 0.2192,
0.2399

■ 5.4791, 0.1536,
0.1743

■ 53.3109, 0.2282,
0.2487

■ 2.5310, 0.1230,
0.1427

■ 72.1863, 0.2356,
0.2559

■ 0.8921, 0.0819,
0.0998

■ 95.0616, 0.2419,
0.2620

■ 0.0000, 0.0000,
0.0000

■ 122.3213, 0.2473,
0.2672

■ 154.3498, 0.2519,

0.2716

191.5313, 0.2559,
0.2755

■ 16.8403, 0.1943,
0.2153

■ 16.8403, 0.1943,
0.2153

■ 15.8308, 0.1909,
0.2071

■ 18.6504, 0.2010,
0.2288

■ 20.7233, 0.2097,
0.2426

■ 23.0851, 0.2204,
0.2563

■ 25.7574, 0.2328,
0.2696

■ 28.7591, 0.2464,
0.2825

■ 32.1073, 0.2610,
0.2946

■ 35.8175, 0.2762,
0.3059

■ 39.9044, 0.2916,
0.3162

■ 44.3815, 0.3069,
0.3256

Harmonies

Analogous

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



16.8403, 0.1780, 0.2460



16.8403, 0.1943, 0.2153



16.8403, 0.2387, 0.2125

Triad

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



16.8403, 0.1943, 0.2153



16.8403, 0.4510, 0.3258



16.8403, 0.3011, 0.4592

Complementary

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



16.8403, 0.1943, 0.2153



14.5021, 0.5653, 0.3822

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.



16.8403, 0.3759, 0.4720



16.8403, 0.1943, 0.2153



16.8403, 0.4678, 0.3833

Square

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



16.8403, 0.1943, 0.2153



16.8403, 0.3892, 0.2733



16.8403, 0.4377, 0.4377



16.8403, 0.2336, 0.3921

Rectangle

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



16.8403, 0.1943, 0.2153



16.8403, 0.2829, 0.2240



16.8403, 0.4377, 0.4377



16.8403, 0.3263, 0.4701

Sweetspot

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



16.8408, 0.1943, 0.2153



60.9930, 0.2692, 0.3008



33.5800, 0.2833, 0.5347



12.5825, 0.2627, 0.2960



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.8408, 0.1943, 0.2153



27.8977, 0.1903, 0.2050



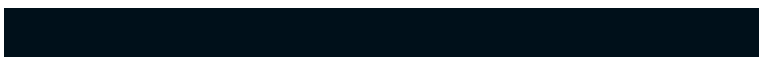
4.7063, 0.1574, 0.0812



9.1078, 0.2986, 0.3206



11.0447, 0.1913, 0.2088



0.4532, 0.2017, 0.2462

Inverse Universe

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



11.4244, 0.4277, 0.2165



19.8073, 0.4397, 0.2196



33.4732, 0.4447, 0.4812



8.5939, 0.3190, 0.3145



7.6551, 0.4355, 0.2173



0.2515, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 16.8403, 0.1943, 0.2153 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 16.8403, 0.1943, 0.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

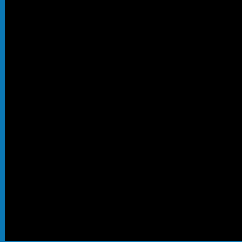
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8403, 0.1943, 0.2153

Background



This preview shows how black text looks on a background with the Yxy color 16.8403, 0.1943, 0.2153.



This preview shows how white text looks on a background with the Yxy color 16.8403, 0.1943, 0.2153.

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

16.8403, 0.1943, 0.2153

Protanopia

16.6490, 0.2302, 0.2173

Deuteranopia

16.8700, 0.2129, 0.2074

Trichromacy



Original Color

16.8403, 0.1943, 0.2153

Protanomaly

16.2331, 0.2096, 0.2134

Deuteranomaly

16.5463, 0.2022, 0.2090

Monochromacy



Original Color

16.8403, 0.1943, 0.2153

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.2968, 0.2407, 0.2759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8403, 0.1943, 0.2153 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(11, 120, 181)` looks like.

```
.text, #text, p{  
    color:rgb(11, 120, 181)  
}
```

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(11, 120, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 120, 181) }
```

Border

The CSS property to change the border of an element to Yxy 16.8403, 0.1943, 0.2153 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(11, 120, 181) }
```

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

```
.border{ border-color:rgb(11, 120, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 120, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 120, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 120, 181);  
box-shadow:4px 4px 4px 4px rgb(11, 120,  
181) }
```

Background

The CSS property to change the background color of an element to Yxy 16.8403, 0.1943, 0.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 120, 181) }
```

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

```
.background{ background-color: rgb(11, 120,  
181) }
```

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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