

Converting Colors

$Yxy(16.5408, 0.1868, 0.1892)$

Have a look what the booklet for
Yxy(16.5408, 0.1868, 0.1892)
contains.

Yxy(16.5408, 0.1868, 0.1892)	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

Yxy(16.5408, 0.1868, 0.1892)

Conversions

Conversions Part 1

Format	Color
Hex	0A74C4
RGB	10, 116, 196
RGB Percent	4%, 45%, 77%
CMY	0.9618, 0.5451, 0.2314
CMYK	0.95, 0.41, 0.00, 0.23
HSL	206°, 91%, 40%
HSV	206°, 95%, 77%
XYZ	16.3310, 16.5408, 54.5532
YIQ	93.4260, -88.8560, 2.4080

Conversions

Conversions Part 2

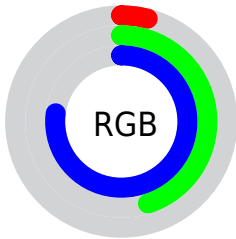
Format	Color
R _Y B	10, 78, 196
Decimal	685252
CIE Lab	47.68, 3.50, -49.06
CIE LCh	48, 49.187, 274.082
Yxy	16.5408, 0.1868, 0.1892
Android (android.graphics.Color)	4278875332 (0xFF0A74C4)
YUV	93.4260, 50.5690, -73.1646
Hunter-Lab	40.6704, 0.5026, -51.0593

Details

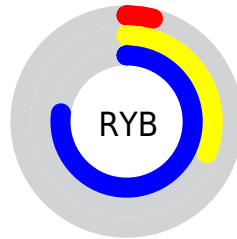
The Yxy color **16.5408, 0.1868, 0.1892** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **19.0213, 0.5507, 0.3960**, and the grayscale version is **10.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6938, 0.2129, 0.2182**, and **6.2092, 0.1769, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **15.5363, 0.1837, 0.1814**, and if you desaturate by 10%, it is **18.7739, 0.1940, 0.2053**.

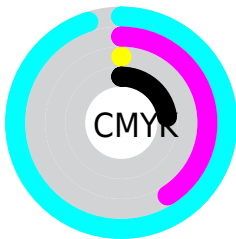
Distribution



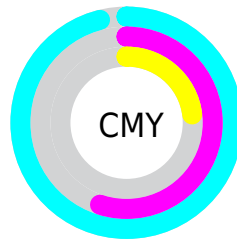
- Red (4%)
- Green (45%)
- Blue (77%)



- Red (4%)
- Yellow (31%)
- Blue (77%)



- Cyan (95%)
- Magenta (41%)
- Yellow (0%)
- Black (23%)



- Cyan (96%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5408, 0.1868, 0.1892 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 16.5408, 0.1868, 0.1892 by changing the saturation by 10% instead.

■ 16.5408, 0.1868,
0.1892

■ 16.5408, 0.1868,
0.1892

■ 232.5121, 0.2556,
0.2647

■ 9.9076, 0.1687,
0.1696

■ 37.5345, 0.2128,
0.2175

■ 5.3378, 0.1454,
0.1447

■ 52.6639, 0.2223,
0.2279

■ 2.4468, 0.1152,
0.1129

■ 71.3942, 0.2302,
0.2366

■ 0.8498, 0.0769,
0.0731

■ 94.1096, 0.2369,
0.2439

■ 0.0000, 0.0000,
0.0000

■ 121.1948, 0.2426,
0.2503

■ 153.0340, 0.2475,

0.2557

190.0116, 0.2518,
0.2605

■ 16.5408, 0.1868,
0.1892

■ 16.5408, 0.1868,
0.1892

■ 15.5363, 0.1837,
0.1814

■ 18.7739, 0.1940,
0.2053

■ 21.3688, 0.2035,
0.2220

■ 24.3599, 0.2150,
0.2386

■ 27.7759, 0.2282,
0.2551

■ 31.6420, 0.2427,
0.2708

■ 35.9807, 0.2580,
0.2857

■ 40.8129, 0.2738,
0.2996

■ 46.1579, 0.2895,
0.3122

■ 52.0339, 0.3051,
0.3237

Harmonies

Analogous

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



16.5408, 0.1566, 0.2105



16.5408, 0.1868, 0.1892



16.5408, 0.2497, 0.1971

Triad

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



16.5408, 0.1868, 0.1892



16.5408, 0.4969, 0.3452



16.5408, 0.2637, 0.4701

Complementary

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



16.5408, 0.1868, 0.1892



19.0213, 0.5507, 0.3960

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.



16.5408, 0.3525, 0.5095



16.5408, 0.1868, 0.1892



16.5408, 0.4918, 0.4126

Square

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



16.5408, 0.1868, 0.1892



16.5408, 0.4392, 0.2821



16.5408, 0.4358, 0.4765



16.5408, 0.1933, 0.3673

Rectangle

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



16.5408, 0.1868, 0.1892



16.5408, 0.3089, 0.2165



16.5408, 0.4358, 0.4765



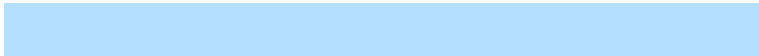
16.5408, 0.2925, 0.4926

Sweetspot

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



16.5413, 0.1868, 0.1892



69.9558, 0.2668, 0.2936



40.2342, 0.2785, 0.5188



14.1751, 0.2600, 0.2875



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.



16.5413, 0.1868, 0.1892



27.6232, 0.1831, 0.1790



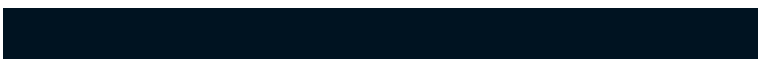
4.7543, 0.1540, 0.0701



10.6805, 0.2984, 0.3189



10.1570, 0.1843, 0.1835



0.5735, 0.1943, 0.2193

Inverse Universe

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



13.2076, 0.4571, 0.2320



23.3197, 0.4697, 0.2361



44.5904, 0.4328, 0.4919



10.1720, 0.3202, 0.3159



8.3076, 0.4643, 0.2332



0.3725, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 16.5408, 0.1868, 0.1892 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 16.5408, 0.1868, 0.1892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

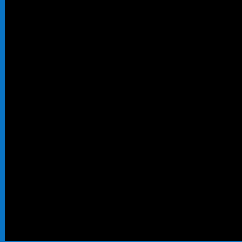
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5408, 0.1868, 0.1892

Background



This preview shows how black text looks on a background with the Yxy color 16.5408, 0.1868, 0.1892.



This preview shows how white text looks on a background with the Yxy color 16.5408, 0.1868, 0.1892.

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

16.5408, 0.1868, 0.1892

Protanopia

16.5318, 0.2114, 0.1932

Deuteranopia

16.5337, 0.1929, 0.1878



Tritanopia

16.3885, 0.2190, 0.3085

Trichromacy



Original Color

16.5408, 0.1868, 0.1892

Protanomaly

16.1784, 0.1977, 0.1901

Deuteranomaly

16.5383, 0.1899, 0.1885

Tritanomaly

16.3792, 0.2051, 0.2565

Monochromacy



Original Color

16.5408, 0.1868, 0.1892

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.9758, 0.2355, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5408, 0.1868, 0.1892 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(10, 116, 196)` looks like.

```
.text, #text, p{  
    color:rgb(10, 116, 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(10, 116, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 116, 196) }
```

Border

The CSS property to change the border of an element to Yxy 16.5408, 0.1868, 0.1892 is called "border". The border property can be set on classes, ids or directly on the HTML element.

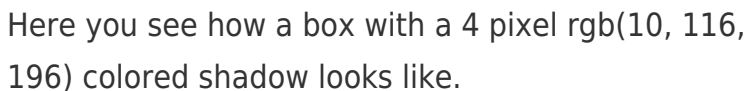
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 116, 196) }
```

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

```
.border{ border-color:rgb(10, 116, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(10, 116, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(10, 116, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(10, 116, 196); box-shadow:4px 4px 4px 4px rgb(10, 116, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5408, 0.1868, 0.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 116, 196) }
```

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

```
.background{ background-color: rgb(10, 116,  
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](#).

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