

Converting Colors

$Yxy(16.6635, 0.1928, 0.2142)$

Have a look what the booklet for
Yxy(16.6635, 0.1928, 0.2142)
contains.

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Color

Yxy(16.7691, 0.1931, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	0078B5
RGB	0, 120, 181
RGB Percent	0%, 47%, 71%
CMY	0.9986, 0.5295, 0.2901
CMYK	1.00, 0.34, 0.00, 0.29
HSL	200°, 100%, 36%
HSV	200°, 100%, 71%
XYZ	15.0610, 16.7691, 46.1657
YIQ	91.0740, -91.1010, -6.4690

Conversions

Conversions Part 2

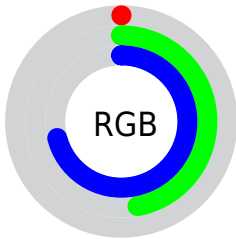
Format	Color
RYB	0, 72, 181
Decimal	30901
CIELab	47.97, -5.16, -39.96
CIELCh	48, 40.293, 262.648
Yxy	16.7691, 0.1931, 0.2150
Android (android.graphics.Color)	4278220981 (0xFF0078B5)
YUV	91.0740, 44.3335, -79.8719
Hunter-Lab	40.9501, -6.0123, -38.1764

Details

The Yxy color **16.7691, 0.1931, 0.2150** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.2048, 0.5858, 0.3728**, and the grayscale version is **10.4172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8948, 0.2181, 0.2399**, and **6.1932, 0.1844, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **16.7380, 0.1930, 0.2148**, and if you desaturate by 10%, it is **18.4183, 0.1986, 0.2276**.

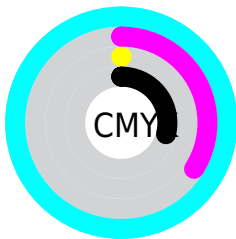
Distribution



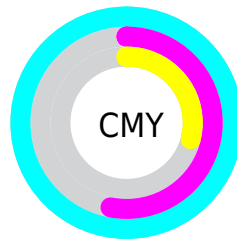
- Red (0%)
- Green (47%)
- Blue (71%)



- Red (0%)
- Yellow (28%)
- Blue (71%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7691, 0.1931, 0.2150 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 16.7691, 0.1931, 0.2150 by changing the saturation by 10% instead.

■ 16.7691, 0.1931,
0.2150

■ 16.7691, 0.1931,
0.2150

■ 233.8382, 0.2589,
0.2788

■ 10.0700, 0.1753,
0.1973

■ 37.9284, 0.2182,
0.2397

■ 5.4454, 0.1521,
0.1738

■ 53.1573, 0.2273,
0.2485

■ 2.5109, 0.1213,
0.1421

■ 71.9983, 0.2348,
0.2558

■ 0.8821, 0.0800,
0.0991

■ 94.8358, 0.2412,
0.2619

■ 0.0000, 0.0000,
0.0000

■ 122.0541, 0.2466,
0.2671

■ 154.0377, 0.2512,

0.2715

191.1710, 0.2553,
0.2754

■ 16.7691, 0.1931,
0.2150

■ 16.7691, 0.1931,
0.2150

■ 16.7380, 0.1930,
0.2148

■ 18.4183, 0.1986,
0.2276

■ 20.2841, 0.2059,
0.2404

■ 22.4124, 0.2151,
0.2533

■ 24.8266, 0.2262,
0.2660

■ 27.5469, 0.2388,
0.2783

■ 30.5908, 0.2527,
0.2901

■ 33.9746, 0.2673,
0.3011

■ 37.7131, 0.2825,
0.3113

■ 41.8201, 0.2978,
0.3207

Harmonies

Analogous

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



16.7691, 0.1772, 0.2464



16.7691, 0.1931, 0.2150



16.7691, 0.2371, 0.2117

Triad

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



16.7691, 0.1931, 0.2150



16.7691, 0.4510, 0.3247



16.7691, 0.3025, 0.4609

Complementary

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



16.7691, 0.1931, 0.2150



13.2048, 0.5858, 0.3728

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.



16.7691, 0.3775, 0.4726



16.7691, 0.1931, 0.2150



16.7691, 0.4689, 0.3824

Square

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



16.7691, 0.1931, 0.2150



16.7691, 0.3881, 0.2721



16.7691, 0.4393, 0.4372



16.7691, 0.2342, 0.3941

Rectangle

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



16.7691, 0.1931, 0.2150



16.7691, 0.2813, 0.2230



16.7691, 0.4393, 0.4372



16.7691, 0.3278, 0.4715

Sweetspot

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



16.7696, 0.1931, 0.2150



60.3932, 0.2663, 0.3004



33.3878, 0.2863, 0.5506



12.4978, 0.2602, 0.2959



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.



16.7696, 0.1931, 0.2150



29.5357, 0.1924, 0.2127



4.2916, 0.1542, 0.0750



9.1383, 0.2986, 0.3211



11.6691, 0.1934, 0.2163



0.4697, 0.2032, 0.2514

Inverse Universe

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



11.1890, 0.4286, 0.2136



19.9726, 0.4311, 0.2149



31.9286, 0.4520, 0.4792



8.5970, 0.3187, 0.3140



7.7181, 0.4272, 0.2127



0.2532, 0.3908, 0.1927

Previews

White Background



This preview shows how the Yxy color 16.7691, 0.1931, 0.2150 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 16.7691, 0.1931, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

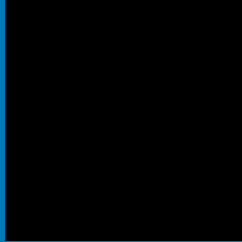
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7691, 0.1931, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 16.7691, 0.1931, 0.2150.



This preview shows how white text looks on a background with the Yxy color 16.7691, 0.1931, 0.2150.

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

16.7691, 0.1931, 0.2150

Protanopia

16.6490, 0.2302, 0.2173

Deuteranopia

16.8700, 0.2129, 0.2074



Tritanopia

16.6710, 0.2191, 0.3086

Trichromacy



Original Color

16.7691, 0.1931, 0.2150

Protanomaly

16.1085, 0.2074, 0.2128

Deuteranomaly

16.4725, 0.2009, 0.2087

Tritanomaly

16.6823, 0.2083, 0.2699

Monochromacy



Original Color

16.7691, 0.1931, 0.2150

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.8575, 0.2367, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7691, 0.1931, 0.2150 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(0, 120, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 120, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 181) }
```

Border

The CSS property to change the border of an element to Yxy 16.7691, 0.1931, 0.2150 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(0, 120, 181) }
```

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

```
.border{ border-color:rgb(0, 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(0, 120, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7691, 0.1931, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 181) }
```

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

```
.background{ background-color: rgb(0, 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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