

Converting Colors

$Yxy(17.2337, 0.1804, 0.1695)$

Have a look what the booklet for
Yxy(17.2337, 0.1804, 0.1695)
contains.

Yxy(17.1165, 0.1803, 0.1689)	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(17.1165, 0.1803, 0.1689)

Conversions

Conversions Part 1

Format	Color
Hex	0173D6
RGB	1, 115, 214
RGB Percent	0%, 45%, 84%
CMY	0.9979, 0.5491, 0.1608
CMYK	1.00, 0.46, 0.00, 0.16
HSL	208°, 100%, 42%
HSV	208°, 100%, 84%
XYZ	18.2718, 17.1165, 65.9527
YIQ	92.2000, -99.7230, 6.6210

Conversions

Conversions Part 2

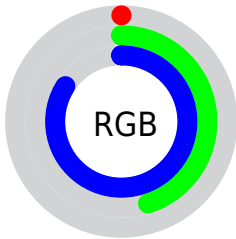
Format	Color
RYB	1, 75, 214
Decimal	95190
CIELab	48.41, 10.96, -58.18
CIELCh	48, 59.198, 280.665
Yxy	17.1165, 0.1803, 0.1689
Android (android.graphics.Color)	4278285270 (0xFF0173D6)
YUV	92.2000, 60.0474, -79.9824
Hunter-Lab	41.3721, 6.4325, -65.5559

Details

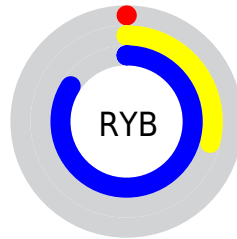
The Yxy color **17.1165, 0.1803, 0.1689** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **23.3205, 0.5523, 0.3994**, and the grayscale version is **10.5915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3172, 0.2132, 0.2141**, and **6.6029, 0.1715, 0.1375** is the 20% darker color. If you saturate the color by 10%, you get **17.0578, 0.1801, 0.1685**, and if you desaturate by 10%, it is **19.6697, 0.1870, 0.1859**.

Distribution



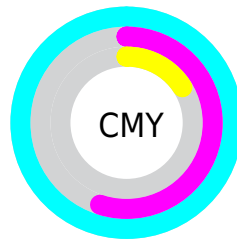
- Red (0%)
- Green (45%)
- Blue (84%)



- Red (0%)
- Yellow (29%)
- Blue (84%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1165, 0.1803, 0.1689 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 17.1165, 0.1803, 0.1689 by changing the saturation by 10% instead.

■ 17.1165, 0.1803,
0.1689

■ 17.1165, 0.1803,
0.1689

235.8428, 0.2515,
0.2520

■ 10.3176, 0.1622,
0.1488

■ 38.5260, 0.2068,
0.1990

■ 5.6100, 0.1394,
0.1241

■ 53.9053, 0.2166,
0.2104

■ 2.6094, 0.1106,
0.0940

■ 72.9136, 0.2248,
0.2201

■ 0.9314, 0.0752,
0.0588

■ 95.9352, 0.2318,
0.2283

■ 0.0000, 0.0127,
0.0000

■ 123.3545, 0.2378,
0.2355

■ 0.0000, 0.0000,
0.0000

155.5560, 0.2430,

0.2417

192.9240, 0.2475,
0.2472

■ 17.1165, 0.1803,
0.1689

■ 17.1165, 0.1803,
0.1689

■ 17.0578, 0.1801,
0.1685

■ 19.6697, 0.1870,
0.1859

■ 22.6582, 0.1958,
0.2036

■ 26.1476, 0.2068,
0.2218

■ 30.1779, 0.2198,
0.2399

■ 34.7837, 0.2343,
0.2575

■ 39.9958, 0.2497,
0.2743

■ 45.8425, 0.2657,
0.2900

■ 52.3497, 0.2818,
0.3044

■ 59.5418, 0.2977,
0.3175

Harmonies

Analogous

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



17.1165, 0.1397, 0.1831



17.1165, 0.1803, 0.1689



17.1165, 0.2591, 0.1845

Triad

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



17.1165, 0.1803, 0.1689



17.1165, 0.5336, 0.3580



17.1165, 0.2315, 0.4779

Complementary

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



17.1165, 0.1803, 0.1689



23.3205, 0.5523, 0.3994

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.



17.1165, 0.3303, 0.5444



17.1165, 0.1803, 0.1689



17.1165, 0.5071, 0.4348

Square

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



17.1165, 0.1803, 0.1689



17.1165, 0.4834, 0.2874



17.1165, 0.4298, 0.5102



17.1165, 0.1611, 0.3432

Rectangle

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



17.1165, 0.1803, 0.1689



17.1165, 0.3324, 0.2097



17.1165, 0.4298, 0.5102



17.1165, 0.2627, 0.5123

Sweetspot

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



17.1170, 0.1803, 0.1689



67.6790, 0.2648, 0.2891



48.9474, 0.2774, 0.5184



13.6732, 0.2580, 0.2826



0.0000, 0.0000, 0.0000



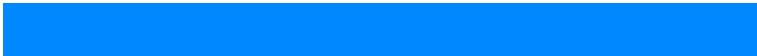
21.4041, 0.3127, 0.3290

Same Dimension

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



17.1170, 0.1803, 0.1689



25.0356, 0.1797, 0.1669



5.1020, 0.1508, 0.0627



13.1005, 0.2982, 0.3179



10.5217, 0.1808, 0.1709



0.7996, 0.1890, 0.2005

Inverse Universe

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



15.5438, 0.4820, 0.2430



23.0585, 0.4845, 0.2443



57.1582, 0.4283, 0.4980



12.5310, 0.3208, 0.3166



9.4070, 0.4795, 0.2415



0.5840, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 17.1165, 0.1803, 0.1689 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 17.1165, 0.1803, 0.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

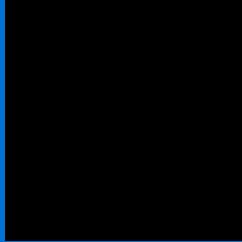
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

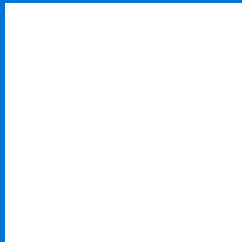
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.1165, 0.1803, 0.1689

Background



This preview shows how black text looks on a background with the Yxy color 17.1165, 0.1803, 0.1689.



This preview shows how white text looks on a background with the Yxy color 17.1165, 0.1803, 0.1689.

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

17.1230, 0.1803, 0.1689

Protanopia

17.1120, 0.1947, 0.1715

Deuteranopia

17.1304, 0.1836, 0.1810



Tritanopia

16.9563, 0.2191, 0.3087

Trichromacy



Original Color

17.1230, 0.1803, 0.1689

Protanomaly

16.7629, 0.1863, 0.1691

Deuteranomaly

17.0448, 0.1823, 0.1762

Tritanomaly

16.8463, 0.2019, 0.2467

Monochromacy



Original Color

17.1230, 0.1803, 0.1689

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.8217, 0.2268, 0.2482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1165, 0.1803, 0.1689 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(1, 115, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 115, 214)  
}
```

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(1, 115, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 115, 214) }
```

Border

The CSS property to change the border of an element to Yxy 17.1165, 0.1803, 0.1689 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(1, 115, 214) }
```

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

```
.border{ border-color:rgb(1, 115, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 115, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 115, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 115, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 115,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1165, 0.1803, 0.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 115, 214) }
```

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

```
.background{ background-color: rgb(1, 115,  
214) }
```

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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