

Converting Colors

$Y_{xy}(17.1341, 0.1860, 0.1858)$

Have a look what the booklet for
Yxy(17.1341, 0.1860, 0.1858)
contains.

Yxy(17.0178, 0.1860, 0.1855)	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(17.0178, 0.1860, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	0D75C9
RGB	13, 117, 201
RGB Percent	5%, 46%, 79%
CMY	0.9506, 0.5413, 0.2117
CMYK	0.94, 0.42, 0.00, 0.21
HSL	207°, 88%, 42%
HSV	207°, 94%, 79%
XYZ	17.0637, 17.0178, 57.6587
YIQ	95.4800, -88.9480, 4.0760

Conversions

Conversions Part 2

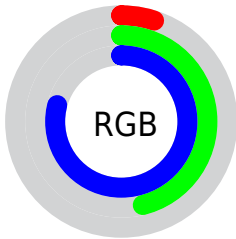
Format	Color
R_YB	13, 80, 201
Decimal	882121
CIE _{Lab}	48.28, 4.98, -50.98
CIE _{LCh}	48, 51.219, 275.585
Yxy	17.0178, 0.1860, 0.1855
Android (android.graphics.Color)	4279072201 (0xFF0D75C9)
YUV	95.4800, 52.0214, -72.3350
Hunter-Lab	41.2526, 1.6423, -53.9926

Details

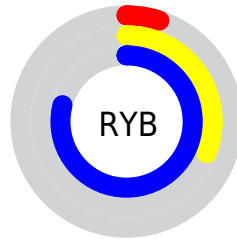
The Yxy color **17.0178, 0.1860, 0.1855** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **20.9322, 0.5437, 0.4006**, and the grayscale version is **11.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3053, 0.2132, 0.2179**, and **6.4556, 0.1762, 0.1541** is the 20% darker color. If you saturate the color by 10%, you get **15.6660, 0.1820, 0.1753**, and if you desaturate by 10%, it is **19.4442, 0.1937, 0.2023**.

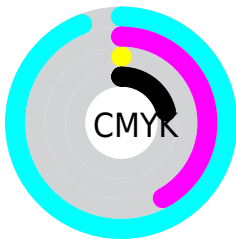
Distribution



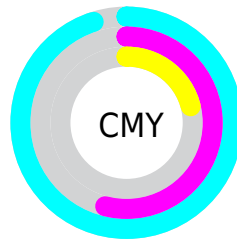
- Red (5%)
- Green (46%)
- Blue (79%)



- Red (5%)
- Yellow (31%)
- Blue (79%)



- Cyan (94%)
- Magenta (42%)
- Yellow (0%)
- Black (21%)



- Cyan (95%)
- Magenta (54%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0178, 0.1860, 0.1855 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 17.0178, 0.1860, 0.1855 by changing the saturation by 10% instead.

■ 17.0178, 0.1860,
0.1855

■ 17.0178, 0.1860,
0.1855

235.2749, 0.2548,
0.2622

■ 10.2472, 0.1680,
0.1660

■ 38.3564, 0.2118,
0.2140

■ 5.5632, 0.1451,
0.1413

■ 53.6931, 0.2214,
0.2245

■ 2.5813, 0.1156,
0.1101

■ 72.6540, 0.2293,
0.2334

■ 0.9173, 0.0782,
0.0716

■ 95.6235, 0.2360,
0.2409

■ 0.0000, 0.0000,
0.0000

■ 122.9860, 0.2417,
0.2474

155.1257, 0.2467,

0.2530

192.4273, 0.2510,
0.2578

■ 17.0178, 0.1860,
0.1855

■ 17.0178, 0.1860,
0.1855

■ 15.6660, 0.1820,
0.1753

■ 19.4442, 0.1937,
0.2023

■ 22.2729, 0.2037,
0.2196

■ 25.5404, 0.2157,
0.2370

■ 29.2771, 0.2293,
0.2541

■ 33.5100, 0.2442,
0.2704

■ 38.2635, 0.2598,
0.2858

■ 43.5599, 0.2757,
0.3001

■ 49.4203, 0.2915,
0.3132

■ 55.8641, 0.3070,
0.3249

Harmonies

Analogous

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



17.0178, 0.1537, 0.2053



17.0178, 0.1860, 0.1855



17.0178, 0.2519, 0.1950

Triad

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



17.0178, 0.1860, 0.1855



17.0178, 0.5037, 0.3482



17.0178, 0.2575, 0.4710

Complementary

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



17.0178, 0.1860, 0.1855



20.9322, 0.5437, 0.4006

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.



17.0178, 0.3482, 0.5154



17.0178, 0.1860, 0.1855



17.0178, 0.4945, 0.4172

Square

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



17.0178, 0.1860, 0.1855



17.0178, 0.4474, 0.2836



17.0178, 0.4345, 0.4827



17.0178, 0.1872, 0.3625

Rectangle

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



17.0178, 0.1860, 0.1855



17.0178, 0.3136, 0.2156



17.0178, 0.4345, 0.4827



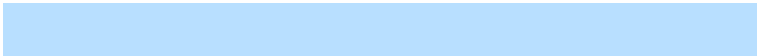
17.0178, 0.2868, 0.4956

Sweetspot

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



17.0183, 0.1860, 0.1855



70.2182, 0.2682, 0.2936



42.6800, 0.2767, 0.5115



14.1970, 0.2613, 0.2873



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.



17.0183, 0.1860, 0.1855



26.3468, 0.1814, 0.1731



5.0027, 0.1542, 0.0698



11.2454, 0.2983, 0.3184



10.0327, 0.1827, 0.1776



0.6180, 0.1923, 0.2122

Inverse Universe

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



13.9824, 0.4612, 0.2350



23.1909, 0.4768, 0.2401



48.6135, 0.4294, 0.4941



10.7336, 0.3205, 0.3163



8.5528, 0.4714, 0.2371



0.4194, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 17.0178, 0.1860, 0.1855 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 17.0178, 0.1860, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

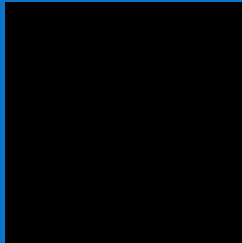
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0178, 0.1860, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 17.0178, 0.1860, 0.1855.



This preview shows how white text looks on a background with the Yxy color 17.0178, 0.1860, 0.1855.

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

17.0252, 0.1861, 0.1856

Protanopia

16.8868, 0.2080, 0.1889

Deuteranopia

17.1011, 0.1902, 0.1853



Tritanopia

16.9563, 0.2191, 0.3087

Trichromacy



Original Color

17.0252, 0.1861, 0.1856

Protanomaly

16.6257, 0.1962, 0.1863

Deuteranomaly

16.9547, 0.1880, 0.1846

Tritanomaly

16.7362, 0.2044, 0.2536

Monochromacy



Original Color

17.0252, 0.1861, 0.1856

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.5455, 0.2349, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0178, 0.1860, 0.1855 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(13, 117, 201)` looks like.

```
.text, #text, p{  
    color:rgb(13, 117, 201)  
}
```

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(13, 117, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 117, 201) }
```

Border

The CSS property to change the border of an element to Yxy 17.0178, 0.1860, 0.1855 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(13, 117, 201) }
```

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

```
.border{ border-color:rgb(13, 117, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 117, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 117, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 117, 201);  
box-shadow:4px 4px 4px 4px rgb(13, 117,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0178, 0.1860, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 117, 201) }
```

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

```
.background{ background-color: rgb(13, 117,  
201) }
```

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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