

Converting Colors

$Y_{xy}(10.0881, 0.1858, 0.1651)$

Have a look what the booklet for
Yxy(10.0881, 0.1858, 0.1651)
contains.

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Color

Yxy(10.0800, 0.1856, 0.1643)

Conversions

Conversions Part 1

Format	Color
Hex	2157AB
RGB	33, 87, 171
RGB Percent	13%, 34%, 67%
CMY	0.8707, 0.6588, 0.3293
CMYK	0.81, 0.49, 0.00, 0.33
HSL	217°, 68%, 40%
HSV	217°, 81%, 67%
XYZ	11.3868, 10.0800, 39.8844
YIQ	80.4300, -59.1480, 14.6760

Conversions

Conversions Part 2

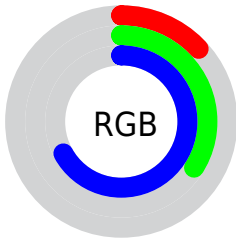
Format	Color
R _Y B	33, 72, 171
Decimal	2185131
CIE Lab	37.99, 13.79, -50.02
CIE LCh	38, 51.888, 285.411
Yxy	10.0800, 0.1856, 0.1643
Android (android.graphics.Color)	4280375211 (0xFF2157AB)
YUV	80.4300, 44.6510, -41.5961
Hunter-Lab	31.7490, 8.4582, -52.2582




Details

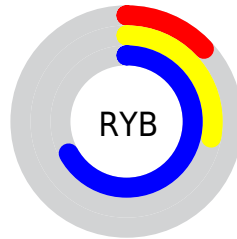
The Yxy color **10.0800, 0.1856, 0.1643** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.4914, 0.4756, 0.4361**, and the grayscale version is **8.0289, 0.3127, 0.3290**.




A 20% lighter version of the original color is **25.8637, 0.2148, 0.1990**, and **3.0358, 0.1675, 0.1230** is the 20% darker color. If you saturate the color by 10%, you get **8.3007, 0.1754, 0.1429**, and if you desaturate by 10%, it is **12.2462, 0.1984, 0.1871**.

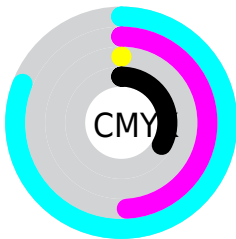
Distribution







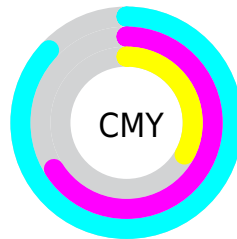
-  Red (13%)
-  Green (34%)
-  Blue (67%)






-  Red (13%)
-  Yellow (28%)
-  Blue (67%)



-  Cyan (81%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (87%)
-  Magenta (66%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0800, 0.1856, 0.1643 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 10.0800, 0.1856, 0.1643 by changing the saturation by 10% instead.

■ 10.0800, 0.1856,
0.1643

■ 10.0800, 0.1856,
0.1643

■ 191.2421, 0.2601,
0.2562

■ 5.4520, 0.1641,
0.1399

■ 25.9459, 0.2151,
0.1993

■ 2.5148, 0.1356,
0.1089

■ 37.9526, 0.2255,
0.2121

■ 0.8841, 0.0979,
0.0708

■ 53.1876, 0.2340,
0.2226

■ 0.0000, 0.0220,
0.0000

■ 72.0354, 0.2410,
0.2315

■ 0.0000, 0.0000,
0.0000

■ 94.8804, 0.2469,
0.2391

■ 122.1069, 0.2520,

0.2456

154.0993, 0.2563,
0.2512

■ 10.0800, 0.1856,
0.1643

■ 10.0800, 0.1856,
0.1643

■ 8.3007, 0.1754,
0.1429

■ 12.2462, 0.1984,
0.1871

■ 6.9473, 0.1680,
0.1247

■ 14.8273, 0.2132,
0.2104

■ 17.8491, 0.2294,
0.2335

■ 21.3345, 0.2464,
0.2556

■ 25.3048, 0.2635,
0.2763

■ 29.7795, 0.2802,
0.2953

■ 34.7771, 0.2964,
0.3126

■ 40.3152, 0.3117,
0.3280

■ 46.4104, 0.3259,
0.3416

Harmonies

Analogous

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



10.0800, 0.1385, 0.1733



10.0800, 0.1856, 0.1643



10.0800, 0.2733, 0.1848

Triad

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



10.0800, 0.1856, 0.1643



10.0800, 0.5428, 0.3691



10.0800, 0.2132, 0.4651

Complementary

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



10.0800, 0.1856, 0.1643



21.4914, 0.4756, 0.4361

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.



10.0800, 0.3124, 0.5521



10.0800, 0.1856, 0.1643



10.0800, 0.5030, 0.4492

Square

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



10.0800, 0.1856, 0.1643



10.0800, 0.5047, 0.2961



10.0800, 0.4167, 0.5266



10.0800, 0.1480, 0.3218

Rectangle

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



10.0800, 0.1856, 0.1643



10.0800, 0.3526, 0.2132



10.0800, 0.4167, 0.5266



10.0800, 0.2439, 0.5064

Sweetspot

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



10.0803, 0.1856, 0.1643



50.2438, 0.2741, 0.2885



30.7134, 0.2602, 0.4358



10.5882, 0.2683, 0.2819



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.0803, 0.1856, 0.1643



12.7696, 0.1692, 0.1273



4.6263, 0.1721, 0.0879



8.2521, 0.2986, 0.3148



5.3322, 0.1685, 0.1266



0.2566, 0.1861, 0.1897

Inverse Universe

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



10.4347, 0.4823, 0.2640



16.4036, 0.5358, 0.2744



36.4338, 0.3989, 0.5048



8.0653, 0.3227, 0.3202



6.8413, 0.5374, 0.2734



0.2013, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 10.0800, 0.1856, 0.1643 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 10.0800, 0.1856, 0.1643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

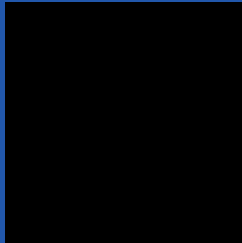
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0800, 0.1856, 0.1643

Background



This preview shows how black text looks on a background with the Yxy color 10.0800, 0.1856, 0.1643.



This preview shows how white text looks on a background with the Yxy color 10.0800, 0.1856, 0.1643.

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

10.0800, 0.1856, 0.1643

Protanopia

10.0501, 0.1893, 0.1649

Deuteranopia

9.9854, 0.1845, 0.1843



Tritanopia

9.9643, 0.2193, 0.3093

Trichromacy



Original Color

10.0800, 0.1856, 0.1643

Protanomaly

9.9892, 0.1879, 0.1644

Deuteranomaly

10.0348, 0.1844, 0.1776

Tritanomaly

9.8743, 0.2031, 0.2424

Monochromacy



Original Color

10.0800, 0.1856, 0.1643

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.4355, 0.2434, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0800, 0.1856, 0.1643 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(33, 87, 171)` looks like.

```
.text, #text, p{  
    color:rgb(33, 87, 171)  
}
```

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(33, 87, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 87, 171) }
```

Border

The CSS property to change the border of an element to Yxy 10.0800, 0.1856, 0.1643 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(33, 87, 171) }
```

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

```
.border{ border-color:rgb(33, 87, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 87, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 87, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 87, 171);  
box-shadow:4px 4px 4px 4px rgb(33, 87,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0800, 0.1856, 0.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 87, 171) }
```

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

```
.background{ background-color: rgb(33, 87,  
171) }
```

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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