

Converting Colors

$Y_{xy}(10.5312, 0.1760, 0.1482)$

Have a look what the booklet for
 $Y_{xy}(10.5312, 0.1760, 0.1482)$
contains.

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Color

Yxy(10.4471, 0.1759, 0.1478)

Conversions

Conversions Part 1

Format	Color
Hex	0D57BA
RGB	13, 87, 186
RGB Percent	5%, 34%, 73%
CMY	0.9496, 0.6588, 0.2707
CMYK	0.93, 0.53, 0.00, 0.27
HSL	214°, 87%, 39%
HSV	214°, 93%, 73%
XYZ	12.4333, 10.4471, 47.8036
YIQ	76.1600, -75.8830, 15.1010

Conversions

Conversions Part 2

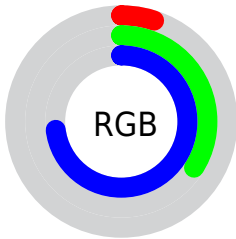
Format	Color
RYB	13, 65, 186
Decimal	874426
CIELab	38.63, 18.33, -57.81
CIELCh	39, 60.648, 287.591
Yxy	10.4471, 0.1759, 0.1478
Android (android.graphics.Color)	4279064506 (0xFF0D57BA)
YUV	76.1600, 54.1511, -55.3913
Hunter-Lab	32.3220, 12.1003, -65.0634

Details

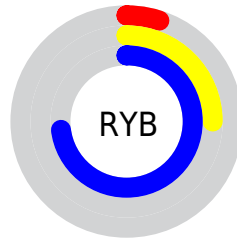
The Yxy color **10.4471, 0.1759, 0.1478** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **22.0136, 0.5081, 0.4287**, and the grayscale version is **7.1603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6208, 0.2064, 0.1837**, and **3.3937, 0.1641, 0.1108** is the 20% darker color. If you saturate the color by 10%, you get **9.2328, 0.1708, 0.1347**, and if you desaturate by 10%, it is **12.5117, 0.1851, 0.1681**.

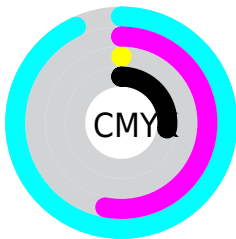
Distribution



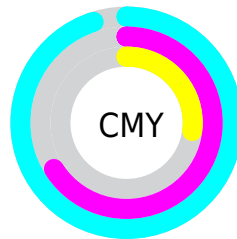
- Red (5%)
- Green (34%)
- Blue (73%)



- Red (5%)
- Yellow (25%)
- Blue (73%)



- Cyan (93%)
- Magenta (53%)
- Yellow (0%)
- Black (27%)



- Cyan (95%)
- Magenta (66%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4471, 0.1759, 0.1478 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 10.4471, 0.1759, 0.1478 by changing the saturation by 10% instead.

■ 10.4471, 0.1759,
0.1478

■ 10.4471, 0.1759,
0.1478

■ 193.8340, 0.2546,
0.2456

■ 5.6964, 0.1542,
0.1235

■ 26.6331, 0.2064,
0.1839

■ 2.6614, 0.1264,
0.0939

■ 38.8372, 0.2174,
0.1975

■ 0.9576, 0.0909,
0.0593

■ 54.2946, 0.2264,
0.2088

■ 0.0000, 0.0375,
0.0000

■ 73.3896, 0.2340,
0.2184

■ 0.0000, 0.0000,
0.0000

■ 96.5066, 0.2403,
0.2267

■ 124.0301, 0.2458,

0.2338

156.3444, 0.2505,
0.2401

■ 10.4471, 0.1759,
0.1478

■ 10.4471, 0.1759,
0.1478

■ 9.2328, 0.1708,
0.1347

■ 12.5117, 0.1851,
0.1681

■ 15.0072, 0.1969,
0.1897

■ 17.9683, 0.2108,
0.2119

■ 21.4252, 0.2263,
0.2338

■ 25.4048, 0.2427,
0.2549

■ 29.9317, 0.2595,
0.2748

■ 35.0287, 0.2763,
0.2931

■ 40.7171, 0.2925,
0.3098

■ 47.0172, 0.3081,
0.3247

Harmonies

Analogous

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



10.4471, 0.1231, 0.1537



10.4471, 0.1759, 0.1478



10.4471, 0.2756, 0.1720

Triad

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



10.4471, 0.1759, 0.1478



10.4471, 0.5704, 0.3712



10.4471, 0.1902, 0.4773

Complementary

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



10.4471, 0.1759, 0.1478



22.0136, 0.5081, 0.4287

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.



10.4471, 0.2966, 0.5875



10.4471, 0.1759, 0.1478



10.4471, 0.5156, 0.4616

Square

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



10.4471, 0.1759, 0.1478



10.4471, 0.5393, 0.2937



10.4471, 0.4131, 0.5543



10.4471, 0.1251, 0.3063

Rectangle

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



10.4471, 0.1759, 0.1478



10.4471, 0.3676, 0.2038



10.4471, 0.4131, 0.5543



10.4471, 0.2226, 0.5296

Sweetspot

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



10.4474, 0.1759, 0.1478



58.4098, 0.2673, 0.2835



36.3402, 0.2643, 0.4666



12.0050, 0.2600, 0.2753



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



10.4474, 0.1759, 0.1478



16.2803, 0.1700, 0.1318



4.0275, 0.1561, 0.0670



9.3351, 0.2985, 0.3156



6.3557, 0.1714, 0.1371



0.3474, 0.1858, 0.1888

Inverse Universe

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



11.4089, 0.5074, 0.2618



19.9163, 0.5302, 0.2694



44.1867, 0.4071, 0.5113



9.0744, 0.3223, 0.3192



7.4239, 0.5230, 0.2655



0.2742, 0.4582, 0.2298

Previews

White Background



This preview shows how the Yxy color 10.4471, 0.1759, 0.1478 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 10.4471, 0.1759, 0.1478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

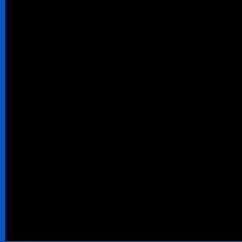
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.4471, 0.1759, 0.1478

Background



This preview shows how black text looks on a background with the Yxy color 10.4471, 0.1759, 0.1478.



This preview shows how white text looks on a background with the Yxy color 10.4471, 0.1759, 0.1478.

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

10.4471, 0.1759, 0.1478

Protanopia

10.3616, 0.1742, 0.1471

Deuteranopia

10.3668, 0.1854, 0.1873



Tritanopia

10.3689, 0.2201, 0.3123

Trichromacy



Original Color

10.4471, 0.1759, 0.1478

Protanomaly

10.3938, 0.1749, 0.1474

Deuteranomaly

10.3790, 0.1818, 0.1721

Tritanomaly

10.1756, 0.1990, 0.2330

Monochromacy



Original Color

10.4471, 0.1759, 0.1478

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.7552, 0.2278, 0.2359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4471, 0.1759, 0.1478 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, 87, 186)` looks like.

```
.text, #text, p{  
    color:rgb(13, 87, 186)  
}
```

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, 87, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 87, 186) }
```

Border

The CSS property to change the border of an element to Yxy 10.4471, 0.1759, 0.1478 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, 87, 186) }
```

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

```
.border{ border-color:rgb(13, 87, 186) }
```

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

Here you see how a box with a 4 pixel rgb(13, 87, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 87, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 87, 186);  
box-shadow:4px 4px 4px 4px rgb(13, 87,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4471, 0.1759, 0.1478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 87, 186) }
```

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

```
.background{ background-color: rgb(13, 87,  
186) }
```

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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