

Converting Colors

$Y_{xy}(10.3618, 0.1686, 0.0937)$

Have a look what the booklet for
Yxy(10.3618, 0.1686, 0.0937)
contains.

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Color

Yxy(10.4305, 0.1686, 0.0939)

Conversions

Conversions Part 1

Format	Color
Hex	373EEE
RGB	55, 62, 238
RGB Percent	22%, 24%, 93%
CMY	0.7846, 0.7568, 0.0666
CMYK	0.77, 0.74, 0.00, 0.07
HSL	238°, 84%, 57%
HSV	238°, 77%, 93%
XYZ	18.7282, 10.4305, 81.9222
YIQ	79.9710, -60.6680, 53.2520

Conversions

Conversions Part 2

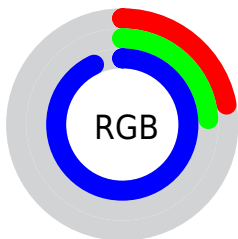
Format	Color
R _Y B	55, 62, 238
Decimal	3620590
CIE Lab	38.60, 55.59, -87.76
CIE LCh	39, 103.884, 302.352
Yxy	10.4305, 0.1686, 0.0939
Android (android.graphics.Color)	4281810670 (0xFF373EEE)
YUV	79.9710, 77.9083, -21.8996
Hunter-Lab	32.2963, 46.9916, -127.7866

Details

The Yxy color **10.4305, 0.1686, 0.0939** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **75.5611, 0.4165, 0.4879**, and the grayscale version is **7.8688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.6336, 0.2153, 0.1532**, and **3.6369, 0.1516, 0.0655** is the 20% darker color. If you saturate the color by 10%, you get **7.9268, 0.1576, 0.0746**, and if you desaturate by 10%, it is **14.3046, 0.1843, 0.1205**.

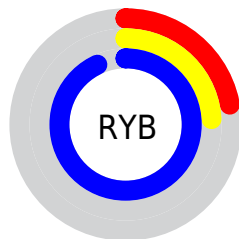
Distribution



Red (22%)

Green (24%)

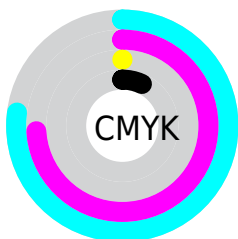
Blue (93%)



Red (22%)

Yellow (24%)

Blue (93%)

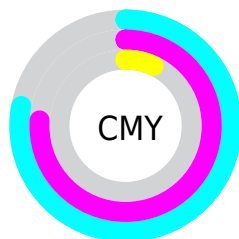


Cyan (77%)

Magenta (74%)

Yellow (0%)

Black (7%)



Cyan (78%)


Magenta (76%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4305, 0.1686, 0.0939 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 10.4305, 0.1686, 0.0939 by changing the saturation by 10% instead.


 10.4305, 0.1686,
0.0939

 10.4305, 0.1686,
0.0939


193.7176, 0.2497,
0.2033


 5.6853, 0.1484,
0.0729


 26.6021, 0.1987,
0.1296


 2.6547, 0.1236,
0.0503


 38.7974, 0.2100,
0.1443

 0.9542, 0.0939,
0.0279

 54.2448, 0.2194,
0.1573

 0.0000, 0.0607,
0.0000

 73.3287, 0.2274,
0.1688

 0.0000, 0.0131,
0.0000

 96.4335, 0.2342,
0.1789

 0.0000, 0.0000,
0.0000

 123.9437, 0.2401,

0.1880

156.2436, 0.2452,
0.1961

■ 10.4305, 0.1686,
0.0939

■ 10.4305, 0.1686,
0.0939

■ 7.9268, 0.1576,
0.0746

■ 14.3046, 0.1843,
0.1205

■ 6.5991, 0.1516,
0.0637

■ 19.7068, 0.2034,
0.1524

■ 6.3737, 0.1505,
0.0618

■ 26.7739, 0.2244,
0.1868

■ 35.6271, 0.2457,
0.2215

■ 46.3768, 0.2662,
0.2546

■ 59.1239, 0.2851,
0.2850

■ 73.9627, 0.3021,
0.3122

■ 90.9811, 0.3171,
0.3360

■ 98.9536, 0.3226,
0.3454

Harmonies

Analogous

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



10.4305, 0.0827, 0.0825



10.4305, 0.1686, 0.0939



10.4305, 0.3494, 0.1366

Triad

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



10.4305, 0.1686, 0.0939



10.4305, 0.6244, 0.3756



10.4305, 0.0689, 0.4150

Complementary

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



10.4305, 0.1686, 0.0939



75.5611, 0.4165, 0.4879

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.



10.4305, 0.1601, 0.7456



10.4305, 0.1686, 0.0939



10.4305, 0.4736, 0.5264

Square

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



10.4305, 0.1686, 0.0939



10.4305, 0.6961, 0.2831



10.4305, 0.2975, 0.7025



10.4305, 0.0418, 0.1781

Rectangle

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



10.4305, 0.1686, 0.0939



10.4305, 0.5165, 0.1830



10.4305, 0.2975, 0.7025



10.4305, 0.0917, 0.5419

Sweetspot

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



10.4307, 0.1686, 0.0939



59.6754, 0.2736, 0.2666



67.6139, 0.2331, 0.3406



11.6712, 0.2666, 0.2553



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.



10.4307, 0.1686, 0.0939



8.2756, 0.1537, 0.0677



14.2438, 0.2197, 0.1152



15.3268, 0.2979, 0.3055



3.5983, 0.1507, 0.0624



0.3337, 0.1524, 0.0688

Inverse Universe

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



21.2521, 0.5730, 0.3248



21.8657, 0.6246, 0.3273



68.4601, 0.3513, 0.5356



15.7688, 0.3287, 0.3281



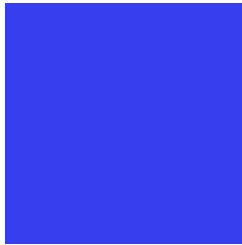
10.1566, 0.6360, 0.3277



0.8484, 0.6253, 0.3218

Previews

White Background



This preview shows how the Yxy color 10.4305, 0.1686, 0.0939 looks on a white background.

Color Contrast Check

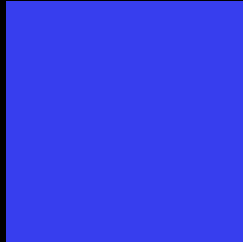
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4305, 0.1686, 0.0939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

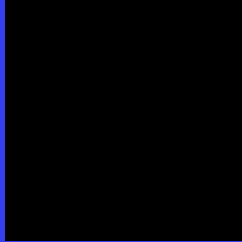
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4305, 0.1686, 0.0939

Background



This preview shows how black text looks on a background with the Yxy color 10.4305, 0.1686, 0.0939.



This preview shows how white text looks on a background with the Yxy color 10.4305, 0.1686, 0.0939.

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

10.4305, 0.1686, 0.0939

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.1550, 0.2200, 0.3122

Trichromacy



Original Color

10.4305, 0.1686, 0.0939

Protanomaly

9.9093, 0.1695, 0.1218

Deuteranomaly

9.7285, 0.1749, 0.1398

Tritanomaly

9.1374, 0.1874, 0.1812

Monochromacy



Original Color

10.4305, 0.1686, 0.0939

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.9108, 0.2256, 0.1879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4305, 0.1686, 0.0939 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(55, 62, 238)` looks like.

```
.text, #text, p{  
  color:rgb(55, 62, 238)  
}
```

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(55, 62, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 62, 238) }
```

Border

The CSS property to change the border of an element to Yxy 10.4305, 0.1686, 0.0939 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(55, 62, 238) }
```

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

```
.border{ border-color:rgb(55, 62, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 62, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 62, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 62, 238);  
box-shadow:4px 4px 4px 4px rgb(55, 62,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4305, 0.1686, 0.0939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 62, 238) }
```

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

```
.background{ background-color: rgb(55, 62,  
238) }
```

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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