

Converting Colors

$Y_{xy}(10.5169, 0.1597, 0.0833)$

Have a look what the booklet for
Yxy(10.5169, 0.1597, 0.0833)
contains.

Yxy(10.4696, 0.1596, 0.0830)	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(10.4696, 0.1596, 0.0830)

Conversions

Conversions Part 1

Format	Color
Hex	2139FF
RGB	33, 57, 255
RGB Percent	13%, 22%, 100%
CMY	0.8711, 0.7763, 0.0001
CMYK	0.87, 0.78, 0.00, 0.00
HSL	233°, 100%, 56%
HSV	233°, 87%, 100%
XYZ	20.1319, 10.4696, 95.5383
YIQ	72.3960, -77.8620, 56.4900

Conversions

Conversions Part 2

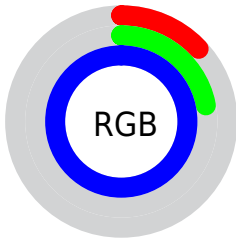
Format	Color
R _Y B	33, 55, 255
Decimal	2177535
CIE Lab	38.67, 62.39, -97.21
CIE LCh	39, 115.508, 302.693
Yxy	10.4696, 0.1596, 0.0830
Android (android.graphics.Color)	4280367615 (0xFF2139FF)
YUV	72.3960, 90.0238, -34.5503
Hunter-Lab	32.3568, 54.4358, -152.4130

Details

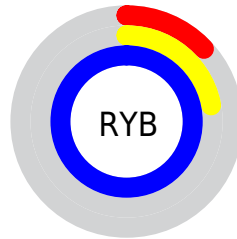
The Yxy color **10.4696, 0.1596, 0.0830** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **78.3925, 0.4341, 0.4861**, and the grayscale version is **6.4015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.0954, 0.2103, 0.1463**, and **4.1615, 0.1505, 0.0617** is the 20% darker color. If you saturate the color by 10%, you get **8.4281, 0.1530, 0.0689**, and if you desaturate by 10%, it is **13.8313, 0.1710, 0.1044**.

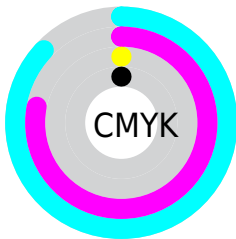
Distribution



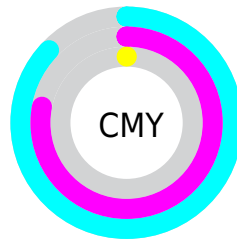
- Red (13%)
- Green (22%)
- Blue (100%)



- Red (13%)
- Yellow (22%)
- Blue (100%)



- Cyan (87%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4696, 0.1596, 0.0830 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 10.4696, 0.1596, 0.0830 by changing the saturation by 10% instead.


 10.4696, 0.1596,
0.0830


 10.4696, 0.1596,
0.0830


193.9916, 0.2439,
0.1928


 5.7114, 0.1395,
0.0633


 26.6751, 0.1902,
0.1176

 2.6704, 0.1156,
0.0427


 38.8912, 0.2019,
0.1323

 0.9622, 0.0875,
0.0230

 54.3621, 0.2117,
0.1454

 0.0000, 0.0568,
0.0000

 73.4721, 0.2201,
0.1570

 0.0000, 0.0204,
0.0000

 96.6057, 0.2274,
0.1675

 0.0000, 0.0000,
0.0000

 124.1472, 0.2336,

0.1768

156.4810, 0.2391,
0.1852

■ 10.4696, 0.1596,
0.0830

■ 10.4696, 0.1596,
0.0830

■ 8.4281, 0.1530,
0.0689

■ 13.8313, 0.1710,
0.1044

■ 8.0371, 0.1517,
0.0661

■ 18.6947, 0.1866,
0.1317

■ 25.2112, 0.2052,
0.1629

■ 33.5133, 0.2255,
0.1958

■ 43.7201, 0.2462,
0.2285

■ 55.9402, 0.2661,
0.2593

■ 70.2741, 0.2848,
0.2876

■ 86.8154, 0.3018,
0.3129

■ 99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



10.4696, 0.0727, 0.0715



10.4696, 0.1596, 0.0830



10.4696, 0.3531, 0.1256

Triad

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



10.4696, 0.1596, 0.0830



10.4696, 0.6359, 0.3641



10.4696, 0.0523, 0.4142

Complementary

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



10.4696, 0.1596, 0.0830



78.3925, 0.4341, 0.4861

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.



10.4696, 0.1354, 0.7922



10.4696, 0.1596, 0.0830



10.4696, 0.4699, 0.5301

Square

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



10.4696, 0.1596, 0.0830



10.4696, 0.7225, 0.2697



10.4696, 0.2742, 0.7258



10.4696, 0.0311, 0.1615

Rectangle

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



10.4696, 0.1596, 0.0830



10.4696, 0.5378, 0.1724



10.4696, 0.2742, 0.7258



10.4696, 0.0723, 0.5606

Sweetspot

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



10.4697, 0.1596, 0.0830



57.4438, 0.2683, 0.2626



77.4794, 0.2356, 0.3613



11.3215, 0.2615, 0.2523



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.



10.4697, 0.1596, 0.0830



8.0394, 0.1517, 0.0661



12.1496, 0.1948, 0.0908



17.6960, 0.2979, 0.3071



4.3025, 0.1521, 0.0675



0.5180, 0.1559, 0.0813

Inverse Universe

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



22.6295, 0.5975, 0.3181



21.3427, 0.6298, 0.3243



80.1339, 0.3580, 0.5458



18.0192, 0.3277, 0.3264



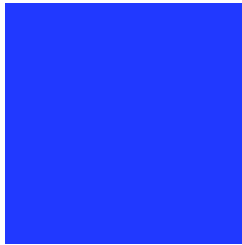
11.1623, 0.6274, 0.3230



1.0968, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 10.4696, 0.1596, 0.0830 looks on a white background.

Color Contrast Check

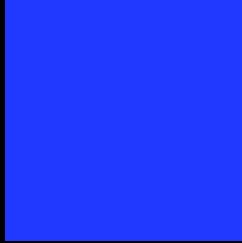
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4696, 0.1596, 0.0830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

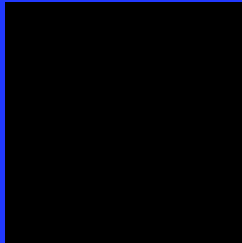
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4696, 0.1596, 0.0830

Background



This preview shows how black text looks on a background with the Yxy color 10.4696, 0.1596, 0.0830.



This preview shows how white text looks on a background with the Yxy color 10.4696, 0.1596, 0.0830.

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

10.4696, 0.1596, 0.0830

Protanopia

10.1938, 0.1752, 0.1507

Deuteranopia

10.1953, 0.1873, 0.1942



Tritanopia

10.1343, 0.2208, 0.3149

Trichromacy



Original Color

10.4696, 0.1596, 0.0830

Protanomaly

9.8505, 0.1665, 0.1151

Deuteranomaly

9.5771, 0.1714, 0.1321

Tritanomaly

8.9569, 0.1821, 0.1687

Monochromacy



Original Color

10.4696, 0.1596, 0.0830

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.7779, 0.2078, 0.1674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4696, 0.1596, 0.0830 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, 57, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 57, 255)  
}
```

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, 57, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 57, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.4696, 0.1596, 0.0830 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, 57, 255) }
```

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

```
.border{ border-color:rgb(33, 57, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 57, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 57, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 57, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 57,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4696, 0.1596, 0.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 57, 255) }
```

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

```
.background{ background-color: rgb(33, 57,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor