

Converting Colors

$Y_{xy}(10.6226, 0.1667, 0.0834)$

Have a look what the booklet for
Yxy(10.6226, 0.1667, 0.0834)
contains.

Yxy(10.6118, 0.1666, 0.0833)	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(10.6118, 0.1666, 0.0833)

Conversions

Conversions Part 1

Format	Color
Hex	3E33FF
RGB	62, 51, 255
RGB Percent	24%, 20%, 100%
CMY	0.7568, 0.8001, 0.0000
CMYK	0.76, 0.80, 0.00, 0.00
HSL	243°, 100%, 60%
HSV	243°, 80%, 100%
XYZ	21.2236, 10.6118, 95.5572
YIQ	77.5450, -58.9280, 65.7760

Conversions

Conversions Part 2

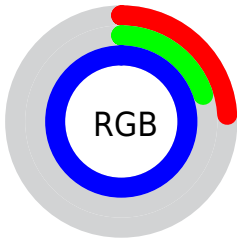
Format	Color
R _Y B	62, 51, 255
Decimal	4076543
CIE Lab	38.92, 66.62, -96.80
CIE LCh	39, 117.507, 304.538
Yxy	10.6118, 0.1666, 0.0833
Android (android.graphics.Color)	4282266623 (0xFF3E33FF)
YUV	77.5450, 87.4853, -13.6330
Hunter-Lab	32.5758, 59.2879, -151.1172

Details

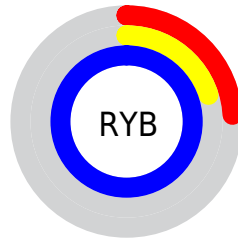
The Yxy color **10.6118, 0.1666, 0.0833** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **90.9846, 0.4059, 0.5014**, and the grayscale version is **7.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.4095, 0.2191, 0.1464**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.3460, 0.1564, 0.0680**, and if you desaturate by 10%, it is **14.4399, 0.1815, 0.1069**.

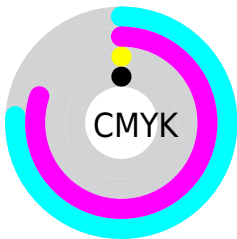
Distribution



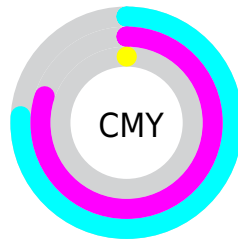
- Red (24%)
- Green (20%)
- Blue (100%)



- Red (24%)
- Yellow (20%)
- Blue (100%)



- Cyan (76%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6118, 0.1666, 0.0833 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 10.6118, 0.1666, 0.0833 by changing the saturation by 10% instead.


 10.6118, 0.1666,
0.0833


 10.6118, 0.1666,
0.0833


194.9845, 0.2479,
0.1925

 5.8064, 0.1469,
0.0637


 26.9401, 0.1963,
0.1177

 2.7277, 0.1232,
0.0432


 39.2317, 0.2076,
0.1323


 0.9913, 0.0951,
0.0235

 54.7877, 0.2171,
0.1453

 0.0000, 0.0638,
0.0000

 73.9922, 0.2252,
0.1569

 0.0000, 0.0282,
0.0000

 97.2298, 0.2321,
0.1673

 0.0000, 0.0000,
0.0000

 124.8847, 0.2381,

0.1765

157.3415, 0.2433,
0.1849

■ 10.6118, 0.1666,
0.0833

■ 10.6118, 0.1666,
0.0833

■ 8.3460, 0.1564,
0.0680

■ 14.4399, 0.1815,
0.1069

■ 7.3118, 0.1511,
0.0606

■ 20.0498, 0.2001,
0.1371

■ 27.6218, 0.2207,
0.1713

■ 37.3147, 0.2418,
0.2068

■ 49.2716, 0.2622,
0.2414

■ 63.6226, 0.2810,
0.2738

■ 80.4884, 0.2979,
0.3031

99.9814, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



10.6118, 0.0748, 0.0701



10.6118, 0.1666, 0.0833



10.6118, 0.3695, 0.1280

Triad

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



10.6118, 0.1666, 0.0833



10.6118, 0.6294, 0.3706



10.6118, 0.0478, 0.3899

Complementary

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



10.6118, 0.1666, 0.0833



90.9846, 0.4059, 0.5014

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.



10.6118, 0.1257, 0.7873



10.6118, 0.1666, 0.0833



10.6118, 0.4574, 0.5426

Square

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



10.6118, 0.1666, 0.0833



10.6118, 0.7260, 0.2731



10.6118, 0.2607, 0.7393



10.6118, 0.0298, 0.1520

Rectangle

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



10.6118, 0.1666, 0.0833



10.6118, 0.5570, 0.1757



10.6118, 0.2607, 0.7393



10.6118, 0.0658, 0.5348

Sweetspot

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



10.6104, 0.1666, 0.0833



57.6000, 0.2737, 0.2612



73.1064, 0.2250, 0.3164



11.2491, 0.2669, 0.2496



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.



10.6104, 0.1666, 0.0833



7.6289, 0.1528, 0.0629



17.3922, 0.2324, 0.1176



17.4246, 0.2987, 0.3045



3.8394, 0.1516, 0.0609



0.3896, 0.1554, 0.0629

Inverse Universe

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



30.1548, 0.3316, 0.1702



27.8774, 0.3346, 0.1627



77.5795, 0.3384, 0.5509



18.2824, 0.3146, 0.3068



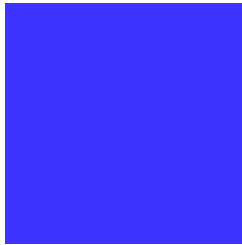
14.4409, 0.3350, 0.1619



1.4111, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 10.6118, 0.1666, 0.0833 looks on a white background.

Color Contrast Check

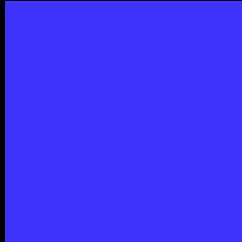
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6118, 0.1666, 0.0833 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 10.6118, 0.1666, 0.0833

Background



This preview shows how black text looks on a background with the Yxy color 10.6118, 0.1666, 0.0833.



This preview shows how white text looks on a background with the Yxy color 10.6118, 0.1666, 0.0833.

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

10.6118, 0.1666, 0.0833

Protanopia

10.2771, 0.1747, 0.1489

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.3480, 0.2208, 0.3150

Trichromacy



Original Color

10.6118, 0.1666, 0.0833

Protanomaly

9.7329, 0.1673, 0.1128

Deuteranomaly

9.4367, 0.1724, 0.1292

Tritanomaly

8.9067, 0.1842, 0.1675

Monochromacy



Original Color

10.6118, 0.1666, 0.0833

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.4650, 0.2206, 0.1712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6118, 0.1666, 0.0833 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(62, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 51, 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(62, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.6118, 0.1666, 0.0833 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(62, 51, 255) }
```

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

```
.border{ border-color:rgb(62, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6118, 0.1666, 0.0833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 51, 255) }
```

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

```
.background{ background-color: rgb(62, 51,  
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