

Converting Colors

$Yxy(11.3226, 0.1745, 0.0874)$

Have a look what the booklet for
Yxy(11.3226, 0.1745, 0.0874)
contains.

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Color

Yxy(11.3370, 0.1746, 0.0875)

Conversions

Conversions Part 1

Format	Color
Hex	5133FF
RGB	81, 51, 255
RGB Percent	32%, 20%, 100%
CMY	0.6826, 0.7999, 0.0000
CMYK	0.68, 0.80, 0.00, 0.00
HSL	249°, 100%, 60%
HSV	249°, 80%, 100%
XYZ	22.6222, 11.3370, 95.6065
YIQ	83.2260, -47.6040, 69.8040

Conversions

Conversions Part 2

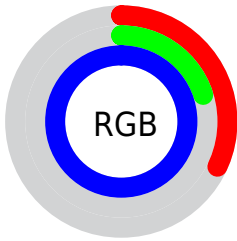
Format	Color
R_{YB}	81, 51, 255
Decimal	5321727
CIE _{Lab}	40.14, 67.87, -94.72
CIE _{LCh}	40, 116.524, 305.623
Yxy	11.3370, 0.1746, 0.0875
Android (android.graphics.Color)	4283511807 (0xFF5133FF)
YUV	83.2260, 84.6846, -1.9522
Hunter-Lab	33.6705, 61.0055, -144.7833

Details

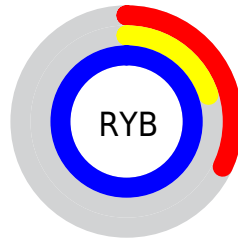
The Yxy color **11.3370, 0.1746, 0.0875** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **87.7848, 0.3927, 0.5111**, and the grayscale version is **8.5306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.7960, 0.2289, 0.1515**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.8732, 0.1626, 0.0714**, and if you desaturate by 10%, it is **15.3284, 0.1904, 0.1113**.

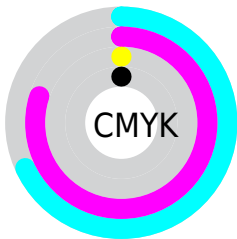
Distribution



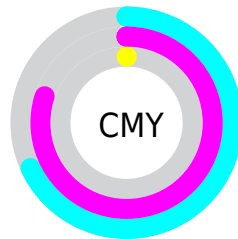
- Red (32%)
- Green (20%)
- Blue (100%)



- Red (32%)
- Yellow (20%)
- Blue (100%)



- Cyan (68%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3370, 0.1746, 0.0875 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 11.3370, 0.1746, 0.0875 by changing the saturation by 10% instead.


 11.3370, 0.1746,
0.0875


 11.3370, 0.1746,
0.0875


199.9652, 0.2519,
0.1950

 6.2940, 0.1556,
0.0678


 28.2817, 0.2031,
0.1216


 3.0247, 0.1324,
0.0471


 40.9521, 0.2138,
0.1359


 1.1446, 0.1046,
0.0267

 56.9338, 0.2228,
0.1487

 0.0158, 0.0730,
0.0006

 76.6112, 0.2305,
0.1601

 0.0000, 0.0375,
0.0000

 100.3686, 0.2370,
0.1703

 0.0000, 0.0000,
0.0000

 128.5905, 0.2427,

0.1794

161.6612, 0.2476,
0.1876

■ 11.3370, 0.1746,
0.0875

■ 11.3370, 0.1746,
0.0875

■ 8.8732, 0.1626,
0.0714

■ 15.3284, 0.1904,
0.1113

■ 7.6215, 0.1549,
0.0627

■ 21.0488, 0.2089,
0.1410

■ 7.6201, 0.1549,
0.0627

■ 28.6685, 0.2287,
0.1744

■ 38.3370, 0.2484,
0.2089

■ 50.1888, 0.2671,
0.2427

■ 64.3469, 0.2842,
0.2744

■ 80.9251, 0.2995,
0.3033

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.



11.3370, 0.0799, 0.0732



11.3370, 0.1746, 0.0875



11.3370, 0.3782, 0.1337

Triad

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



11.3370, 0.1746, 0.0875



11.3370, 0.6208, 0.3792



11.3370, 0.0506, 0.3766

Complementary

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



11.3370, 0.1746, 0.0875



87.7848, 0.3927, 0.5111

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.



11.3370, 0.1287, 0.7652



11.3370, 0.1746, 0.0875



11.3370, 0.4512, 0.5488

Square

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



11.3370, 0.1746, 0.0875



11.3370, 0.7175, 0.2802



11.3370, 0.2615, 0.7385



11.3370, 0.0326, 0.1521

Rectangle

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



11.3370, 0.1746, 0.0875



11.3370, 0.5604, 0.1818



11.3370, 0.2615, 0.7385



11.3370, 0.0685, 0.5131

Sweetspot

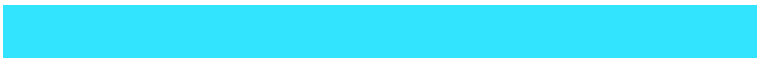
The Sweet Spot groups the original color and five complimentary colors.



11.3369, 0.1746, 0.0875



58.3786, 0.2776, 0.2620



63.3043, 0.2194, 0.2948



11.4303, 0.2714, 0.2506



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.



11.3369, 0.1746, 0.0875



8.0240, 0.1575, 0.0655



19.3198, 0.2478, 0.1257



17.5054, 0.3001, 0.3046



4.0198, 0.1558, 0.0632



0.4276, 0.1642, 0.0678

Inverse Universe

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



29.0732, 0.3522, 0.1828



26.6026, 0.3607, 0.1772



76.1815, 0.3290, 0.5577



18.2519, 0.3161, 0.3090



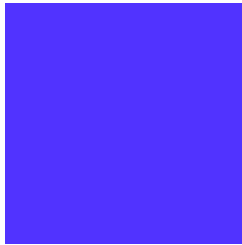
13.7612, 0.3619, 0.1767



1.3518, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 11.3370, 0.1746, 0.0875 looks on a white background.

Color Contrast Check

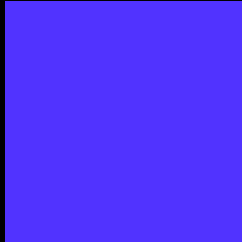
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3370, 0.1746, 0.0875 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 11.3370, 0.1746, 0.0875

Background



This preview shows how black text looks on a background with the Yxy color 11.3370, 0.1746, 0.0875.



This preview shows how white text looks on a background with the Yxy color 11.3370, 0.1746, 0.0875.

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

11.3370, 0.1746, 0.0875

Protanopia

11.0300, 0.1747, 0.1488

Deuteranopia

11.1580, 0.1870, 0.1933



Tritanopia

11.0483, 0.2195, 0.3101

Trichromacy



Original Color

11.3370, 0.1746, 0.0875

Protanomaly

10.2851, 0.1686, 0.1139

Deuteranomaly

9.9841, 0.1738, 0.1300

Tritanomaly

9.4026, 0.1861, 0.1688

Monochromacy



Original Color

11.3370, 0.1746, 0.0875

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.3756, 0.2298, 0.1762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3370, 0.1746, 0.0875 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(81, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.3370, 0.1746, 0.0875 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(81, 51, 255) }
```

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

```
.border{ border-color:rgb(81, 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(81, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(81, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3370, 0.1746, 0.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 51, 255) }
```

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

```
.background{ background-color: rgb(81, 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](#).

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