

Converting Colors

$Yxy(11.9902, 0.1648, 0.0943)$

Have a look what the booklet for
Yxy(11.9902, 0.1648, 0.0943)
contains.

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Color

Yxy(12.0076, 0.1649, 0.0945)

Conversions

Conversions Part 1

Format	Color
Hex	2C46FD
RGB	44, 70, 253
RGB Percent	17%, 27%, 99%
CMY	0.8273, 0.7254, 0.0080
CMYK	0.83, 0.72, 0.00, 0.01
HSL	233°, 98%, 58%
HSV	233°, 83%, 99%
XYZ	20.9529, 12.0076, 94.1040
YIQ	83.0880, -74.2390, 51.4010

Conversions

Conversions Part 2

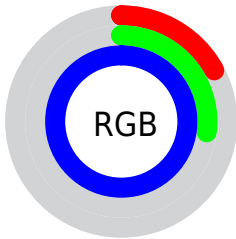
Format	Color
R _Y B	44, 67, 253
Decimal	2901757
CIE Lab	41.23, 55.37, -91.84
CIE LCh	41, 107.240, 301.087
Yxy	12.0076, 0.1649, 0.0945
Android (android.graphics.Color)	4281091837 (0xFF2C46FD)
YUV	83.0880, 83.7666, -34.2802
Hunter-Lab	34.6520, 47.2923, -136.7568

Details

The Yxy color **12.0076, 0.1649, 0.0945** 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 **75.9759, 0.4334, 0.4814**, and the grayscale version is **8.5105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.2421, 0.2150, 0.1612**, and **4.5934, 0.1525, 0.0688** is the 20% darker color. If you saturate the color by 10%, you get **9.3280, 0.1560, 0.0764**, and if you desaturate by 10%, it is **16.0495, 0.1783, 0.1191**.

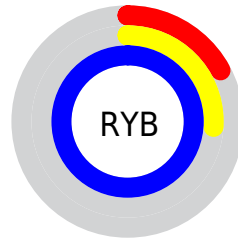
Distribution



Red (17%)

Green (27%)

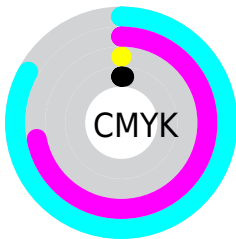
Blue (99%)



Red (17%)

Yellow (26%)

Blue (99%)

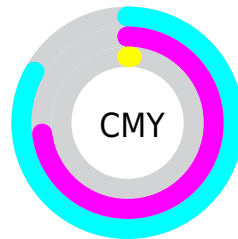


Cyan (83%)

Magenta (72%)

Yellow (0%)

Black (1%)



Cyan (83%)


Magenta (73%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0076, 0.1649, 0.0945 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 12.0076, 0.1649, 0.0945 by changing the saturation by 10% instead.


 12.0076, 0.1649,
0.0945


 12.0076, 0.1649,
0.0945


204.4556, 0.2457,
0.2012

 6.7489, 0.1455,
0.0744


 29.5089, 0.1943,
0.1288


 3.3055, 0.1220,
0.0528


 42.5203, 0.2055,
0.1432


 1.2933, 0.0942,
0.0311

 58.8847, 0.2149,
0.1558

 0.1360, 0.0631,
0.0052

 78.9865, 0.2230,
0.1671

 0.0000, 0.0270,
0.0000

 103.2101, 0.2299,
0.1771

 0.0000, 0.0000,
0.0000

131.9399, 0.2359,

0.1860

165.5603, 0.2411,
0.1940

■ 12.0076, 0.1649,
0.0945

■ 12.0076, 0.1649,
0.0945

■ 9.3280, 0.1560,
0.0764

■ 16.0495, 0.1783,
0.1191

■ 8.0935, 0.1521,
0.0676

■ 21.6078, 0.1954,
0.1484

■ 28.8158, 0.2148,
0.1803

■ 37.7918, 0.2353,
0.2129

■ 48.6432, 0.2555,
0.2443

■ 61.4687, 0.2749,
0.2735

■ 76.3600, 0.2927,
0.3000

■ 93.4031, 0.3088,
0.3234

■ 99.8690, 0.3139,
0.3309

Harmonies

Analogous

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



12.0076, 0.0821, 0.0843



12.0076, 0.1649, 0.0945



12.0076, 0.3395, 0.1358

Triad

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



12.0076, 0.1649, 0.0945



12.0076, 0.6275, 0.3725



12.0076, 0.0737, 0.4293

Complementary

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



12.0076, 0.1649, 0.0945



75.9759, 0.4334, 0.4814

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.



12.0076, 0.1683, 0.7450



12.0076, 0.1649, 0.0945



12.0076, 0.4811, 0.5189

Square

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



12.0076, 0.1649, 0.0945



12.0076, 0.6923, 0.2818



12.0076, 0.3072, 0.6928



12.0076, 0.0437, 0.1859

Rectangle

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



12.0076, 0.1649, 0.0945



12.0076, 0.5036, 0.1814



12.0076, 0.3072, 0.6928



12.0076, 0.0979, 0.5547

Sweetspot

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



12.0078, 0.1649, 0.0945



59.2586, 0.2703, 0.2667



76.2000, 0.2377, 0.3640



11.6885, 0.2636, 0.2565



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.



12.0078, 0.1649, 0.0945



8.3778, 0.1525, 0.0685



12.9312, 0.1984, 0.0969



17.7417, 0.2979, 0.3075



4.4173, 0.1525, 0.0691



0.5395, 0.1567, 0.0842

Inverse Universe

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



23.1202, 0.5771, 0.3140



21.4306, 0.6254, 0.3225



79.6752, 0.3614, 0.5377



18.0238, 0.3275, 0.3261



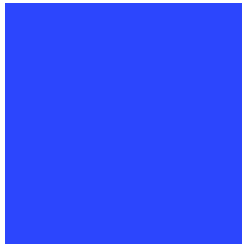
11.1739, 0.6248, 0.3215



1.0990, 0.6003, 0.3081

Previews

White Background



This preview shows how the Yxy color 12.0076, 0.1649, 0.0945 looks on a white background.

Color Contrast Check

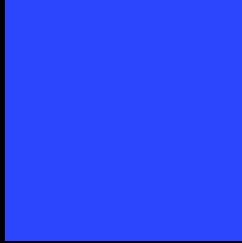
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0076, 0.1649, 0.0945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

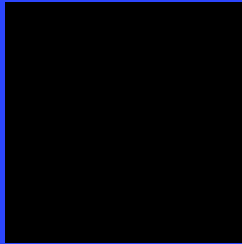
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0076, 0.1649, 0.0945

Background



This preview shows how black text looks on a background with the Yxy color 12.0076, 0.1649, 0.0945.



This preview shows how white text looks on a background with the Yxy color 12.0076, 0.1649, 0.0945.

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

12.0076, 0.1649, 0.0945

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.6769, 0.1867, 0.1922



Tritanopia

11.7076, 0.2203, 0.3131

Trichromacy



Original Color

12.0076, 0.1649, 0.0945

Protanomaly

11.5650, 0.1691, 0.1233

Deuteranomaly

11.1668, 0.1739, 0.1397

Tritanomaly

10.7959, 0.1871, 0.1850

Monochromacy



Original Color

12.0076, 0.1649, 0.0945

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7583, 0.2190, 0.1864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0076, 0.1649, 0.0945 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(44, 70, 253)` looks like.

```
.text, #text, p{  
    color:rgb(44, 70, 253)  
}
```

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(44, 70, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 70, 253) }
```

Border

The CSS property to change the border of an element to Yxy 12.0076, 0.1649, 0.0945 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(44, 70, 253) }
```

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

```
.border{ border-color:rgb(44, 70, 253) }
```

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

Here you see how a box with a 4 pixel rgb(44, 70, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 70, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 70, 253);  
box-shadow:4px 4px 4px 4px rgb(44, 70,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0076, 0.1649, 0.0945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 70, 253) }
```

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

```
.background{ background-color: rgb(44, 70,  
253) }
```

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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