

Converting Colors

$Y_{xy}(13.8659, 0.1841, 0.1038)$

Have a look what the booklet for
Yxy(13.8659, 0.1841, 0.1038)
contains.

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Color

Yxy(13.8632, 0.1841, 0.1038)

Conversions

Conversions Part 1

Format	Color
Hex	5D46FE
RGB	93, 70, 254
RGB Percent	36%, 27%, 100%
CMY	0.6352, 0.7254, 0.0041
CMYK	0.63, 0.72, 0.00, 0.00
HSL	247°, 99%, 64%
HSV	247°, 72%, 100%
XYZ	24.5878, 13.8632, 95.1058
YIQ	97.8530, -45.3560, 62.1000

Conversions

Conversions Part 2

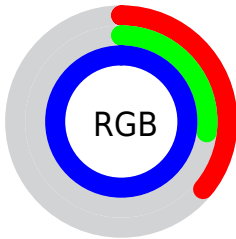
Format	Color
RYB	93, 70, 254
Decimal	6113022
CIELab	44.04, 59.81, -87.67
CIELCh	44, 106.131, 304.303
Yxy	13.8632, 0.1841, 0.1038
Android (android.graphics.Color)	4284303102 (0xFF5D46FE)
YUV	97.8530, 76.9805, -4.2561
Hunter-Lab	37.2333, 52.7180, -125.3823

Details

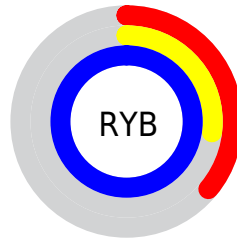
The Yxy color **13.8632, 0.1841, 0.1038** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **88.2788, 0.3927, 0.4989**, and the grayscale version is **11.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3683, 0.2376, 0.1711**, and **4.4513, 0.1517, 0.0662** is the 20% darker color. If you saturate the color by 10%, you get **10.3328, 0.1693, 0.0818**, and if you desaturate by 10%, it is **19.0730, 0.2021, 0.1324**.

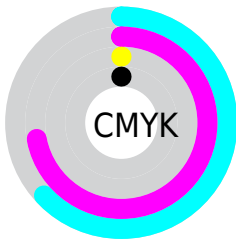
Distribution



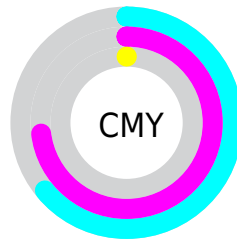
- Red (36%)
- Green (27%)
- Blue (100%)



- Red (36%)
- Yellow (27%)
- Blue (100%)



- Cyan (63%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8632, 0.1841, 0.1038 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 13.8632, 0.1841, 0.1038 by changing the saturation by 10% instead.


 13.8632, 0.1841,
0.1038


 13.8632, 0.1841,
0.1038


216.3781, 0.2554,
0.2061


 8.0256, 0.1664,
0.0840


 32.8461, 0.2104,
0.1370


 4.1113, 0.1445,
0.0623


 46.7602, 0.2203,
0.1508


 1.7360, 0.1177,
0.0396

 64.1352, 0.2286,
0.1629

 0.4468, 0.0858,
0.0161

 85.3555, 0.2356,
0.1736

 0.0000, 0.0502,
0.0000

 110.8056, 0.2416,
0.1831

 0.0000, 0.0000,
0.0000

140.8698, 0.2469,

0.1916

175.9325, 0.2514,
0.1992

■ 13.8632, 0.1841,
0.1038

■ 13.8632, 0.1841,
0.1038

■ 10.3328, 0.1693,
0.0818

■ 19.0730, 0.2021,
0.1324

■ 8.2686, 0.1588,
0.0678

■ 26.1386, 0.2219,
0.1653

■ 7.4557, 0.1538,
0.0621

■ 35.2145, 0.2420,
0.2000

■ 46.4391, 0.2615,
0.2343

■ 59.9381, 0.2794,
0.2667

■ 75.8277, 0.2955,
0.2965

■ 94.2162, 0.3096,
0.3230

■ 99.9327, 0.3133,
0.3300

Harmonies

Analogous

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



13.8632, 0.0942, 0.0905



13.8632, 0.1841, 0.1038



13.8632, 0.3631, 0.1487

Triad

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



13.8632, 0.1841, 0.1038



13.8632, 0.6083, 0.3917



13.8632, 0.0768, 0.3912

Complementary

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



13.8632, 0.1841, 0.1038



88.2788, 0.3927, 0.4989

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.



13.8632, 0.1672, 0.7019



13.8632, 0.1841, 0.1038



13.8632, 0.4639, 0.5361

Square

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



13.8632, 0.1841, 0.1038



13.8632, 0.6783, 0.2974



13.8632, 0.3017, 0.6983



13.8632, 0.0495, 0.1801

Rectangle

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



13.8632, 0.1841, 0.1038



13.8632, 0.5193, 0.1957



13.8632, 0.3017, 0.6983



13.8632, 0.0992, 0.5035

Sweetspot

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



13.8635, 0.1841, 0.1038



61.1301, 0.2801, 0.2681



66.4474, 0.2248, 0.3023



12.2374, 0.2754, 0.2595



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.



13.8635, 0.1841, 0.1038



9.3043, 0.1639, 0.0744



21.6578, 0.2526, 0.1378



17.4865, 0.2998, 0.3045



3.9656, 0.1545, 0.0625



0.4187, 0.1622, 0.0667

Inverse Universe

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



31.2123, 0.3436, 0.1866



27.9171, 0.3504, 0.1757



76.9176, 0.3329, 0.5398



18.2590, 0.3157, 0.3085



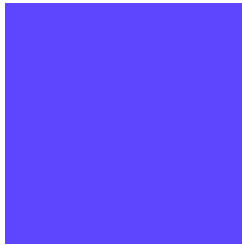
13.9116, 0.3553, 0.1731



1.3650, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 13.8632, 0.1841, 0.1038 looks on a white background.

Color Contrast Check

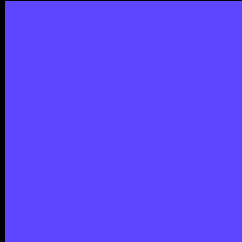
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8632, 0.1841, 0.1038 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 13.8632, 0.1841, 0.1038

Background



This preview shows how black text looks on a background with the Yxy color 13.8632, 0.1841, 0.1038.



This preview shows how white text looks on a background with the Yxy color 13.8632, 0.1841, 0.1038.

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

13.8632, 0.1841, 0.1038

Protanopia

13.7675, 0.1746, 0.1485

Deuteranopia

13.6034, 0.1858, 0.1887



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.8632, 0.1841, 0.1038



Protanomaly

12.9758, 0.1720, 0.1242



Deuteranomaly

12.6738, 0.1776, 0.1422



Tritanomaly

12.2040, 0.1922, 0.1880

Monochromacy



Original Color

13.8632, 0.1841, 0.1038



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.8328, 0.2428, 0.2019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8632, 0.1841, 0.1038 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(93, 70, 254)` looks like.

```
.text, #text, p{  
    color:rgb(93, 70, 254)  
}
```

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(93, 70, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 70, 254) }
```

Border

The CSS property to change the border of an element to Yxy 13.8632, 0.1841, 0.1038 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(93, 70, 254) }
```

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

```
.border{ border-color:rgb(93, 70, 254) }
```

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

Here you see how a box with a 4 pixel rgb(93, 70, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 70, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 70, 254);  
box-shadow:4px 4px 4px 4px rgb(93, 70,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8632, 0.1841, 0.1038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 70, 254) }
```

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

```
.background{ background-color: rgb(93, 70,  
254) }
```

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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