

Converting Colors

$Y_{xy}(13.3635, 0.1828, 0.1137)$

Have a look what the booklet for
Yxy(13.3635, 0.1828, 0.1137)
contains.

Yxy(13.2841, 0.1828, 0.1135)	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(13.2841, 0.1828, 0.1135)

Conversions

Conversions Part 1

Format	Color
Hex	4F4EEE
RGB	79, 78, 238
RGB Percent	31%, 31%, 93%
CMY	0.6896, 0.6944, 0.0665
CMYK	0.67, 0.67, 0.00, 0.07
HSL	240°, 83%, 62%
HSV	240°, 67%, 93%
XYZ	21.3950, 13.2841, 82.3614
YIQ	96.5390, -50.7640, 49.9720

Conversions

Conversions Part 2

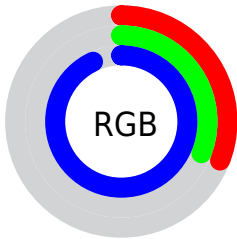
Format	Color
R_{YB}	79, 78, 238
Decimal	5197550
CIE _{Lab}	43.19, 49.03, -80.18
CIE _{LCh}	43, 93.985, 301.447
Yxy	13.2841, 0.1828, 0.1135
Android (android.graphics.Color)	4283387630 (0xFF4F4EEE)
YUV	96.5390, 69.7403, -15.3817
Hunter-Lab	36.4474, 40.9986, -108.4666

Details

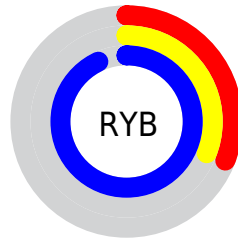
The Yxy color **13.2841, 0.1828, 0.1135** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **79.7042, 0.4036, 0.4813**, and the grayscale version is **11.6746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7693, 0.2286, 0.1748**, and **4.3692, 0.1545, 0.0762** is the 20% darker color. If you saturate the color by 10%, you get **9.6536, 0.1672, 0.0879**, and if you desaturate by 10%, it is **18.4983, 0.2020, 0.1452**.

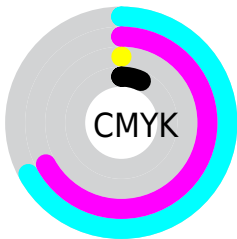
Distribution



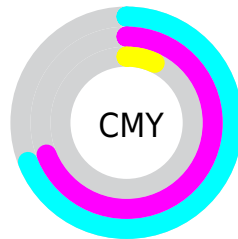
- Red (31%)
- Green (31%)
- Blue (93%)



- Red (31%)
- Yellow (31%)
- Blue (93%)



- Cyan (67%)
- Magenta (67%)
- Yellow (0%)
- Black (7%)




- Cyan (69%)
- Magenta (69%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2841, 0.1828, 0.1135 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 13.2841, 0.1828, 0.1135 by changing the saturation by 10% instead.


 13.2841, 0.1828,
0.1135


 13.2841, 0.1828,
0.1135


212.7305, 0.2552,
0.2154


 7.6245, 0.1644,
0.0927


 31.8132, 0.2098,
0.1476


 3.8556, 0.1415,
0.0693


 45.4515, 0.2199,
0.1614

 1.5931, 0.1132,
0.0444

 62.5182, 0.2283,
0.1734

 0.3530, 0.0795,
0.0161

 83.3976, 0.2354,
0.1839

 0.0000, 0.0383,
0.0000

 108.4741, 0.2414,
0.1932

 0.0000, 0.0000,
0.0000

138.1322, 0.2467,

0.2015

172.7562, 0.2512,
0.2088

■ 13.2841, 0.1828,
0.1135

■ 13.2841, 0.1828,
0.1135

■ 9.6536, 0.1672,
0.0879

■ 18.4983, 0.2020,
0.1452

■ 7.4265, 0.1566,
0.0704

■ 25.4482, 0.2232,
0.1803

■ 6.3708, 0.1511,
0.0617

■ 34.2689, 0.2448,
0.2161

■ 6.1873, 0.1502,
0.0601

■ 45.0821, 0.2655,
0.2505

■ 57.9990, 0.2846,
0.2822

■ 73.1228, 0.3017,
0.3106

■ 90.5499, 0.3166,
0.3355

■ 98.9558, 0.3226,
0.3453

Harmonies

Analogous

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



13.2841, 0.1008, 0.1032



13.2841, 0.1828, 0.1135



13.2841, 0.3413, 0.1549

Triad

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



13.2841, 0.1828, 0.1135



13.2841, 0.6072, 0.3928



13.2841, 0.0996, 0.4156

Complementary

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



13.2841, 0.1828, 0.1135



79.7042, 0.4036, 0.4813

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.



13.2841, 0.1981, 0.6733



13.2841, 0.1828, 0.1135



13.2841, 0.4803, 0.5197

Square

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



13.2841, 0.1828, 0.1135



13.2841, 0.6518, 0.3021



13.2841, 0.3338, 0.6662



13.2841, 0.0633, 0.2066

Rectangle

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



13.2841, 0.1828, 0.1135



13.2841, 0.4814, 0.1994



13.2841, 0.3338, 0.6662



13.2841, 0.1256, 0.5144

Sweetspot

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



13.2844, 0.1828, 0.1135



63.2972, 0.2794, 0.2736



68.9696, 0.2344, 0.3288



12.6248, 0.2741, 0.2647



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.



13.2844, 0.1828, 0.1135



10.0489, 0.1623, 0.0798



18.8846, 0.2407, 0.1409



15.2344, 0.2981, 0.3046



3.4528, 0.1502, 0.0601



0.2892, 0.1509, 0.0605

Inverse Universe

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



29.7312, 0.3210, 0.1792



30.5316, 0.3220, 0.1636



68.9943, 0.3460, 0.5182



16.0293, 0.3139, 0.3059



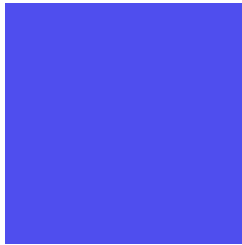
13.5277, 0.3228, 0.1552



1.1260, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 13.2841, 0.1828, 0.1135 looks on a white background.

Color Contrast Check

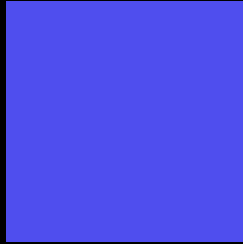
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2841, 0.1828, 0.1135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

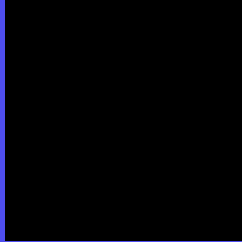
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2841, 0.1828, 0.1135

Background



This preview shows how black text looks on a background with the Yxy color 13.2841, 0.1828, 0.1135.



This preview shows how white text looks on a background with the Yxy color 13.2841, 0.1828, 0.1135.

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

13.2841, 0.1828, 0.1135

Protanopia

13.1916, 0.1746, 0.1485

Deuteranopia

13.0750, 0.1857, 0.1884



Tritanopia

12.9688, 0.2185, 0.3065

Trichromacy



Original Color

13.2841, 0.1828, 0.1135

Protanomaly

12.8053, 0.1732, 0.1312

Deuteranomaly

12.5691, 0.1793, 0.1512

Tritanomaly

12.0559, 0.1940, 0.1988

Monochromacy



Original Color

13.2841, 0.1828, 0.1135

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.6746, 0.2441, 0.2140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2841, 0.1828, 0.1135 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(79, 78, 238)` looks like.

```
.text, #text, p{  
    color:rgb(79, 78, 238)  
}
```

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(79, 78, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 78, 238) }
```

Border

The CSS property to change the border of an element to Yxy 13.2841, 0.1828, 0.1135 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(79, 78, 238) }
```

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

```
.border{ border-color:rgb(79, 78, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 78, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(79, 78, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(79, 78, 238); box-shadow:4px 4px 4px 4px rgb(79, 78, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2841, 0.1828, 0.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 78, 238) }
```

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

```
.background{ background-color: rgb(79, 78,  
238) }
```

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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