

Converting Colors

$Y_{xy}(14.2388, 0.1856, 0.1052)$

Have a look what the booklet for
Yxy(14.2388, 0.1856, 0.1052)
contains.

Yxy(14.2133, 0.1856, 0.1050)	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>	29

Color

Yxy(14.2133, 0.1856, 0.1050)

Conversions

Conversions Part 1

Format	Color
Hex	6047FF
RGB	96, 71, 255
RGB Percent	38%, 28%, 100%
CMY	0.6237, 0.7215, 0.0000
CMYK	0.62, 0.72, 0.00, 0.00
HSL	248°, 100%, 64%
HSV	248°, 72%, 100%
XYZ	25.1237, 14.2133, 96.0278
YIQ	99.4510, -44.1640, 62.5240

Conversions

Conversions Part 2

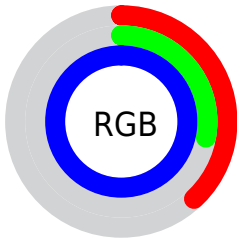
Format	Color
R_{YB}	96, 71, 255
Decimal	6309887
CIE _{Lab}	44.54, 59.95, -87.42
CIE _{LCh}	45, 106.003, 304.440
Yxy	14.2133, 0.1856, 0.1050
Android (android.graphics.Color)	4284499967 (0xFF6047FF)
YUV	99.4510, 76.6857, -3.0265
Hunter-Lab	37.7005, 52.9768, -124.6284

Details

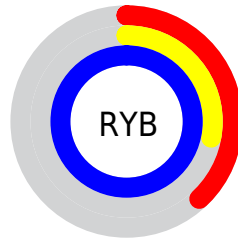
The Yxy color **14.2133, 0.1856, 0.1050** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **88.8071, 0.3912, 0.4995**, and the grayscale version is **12.4082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8204, 0.2393, 0.1728**, and **4.5315, 0.1519, 0.0666** is the 20% darker color. If you saturate the color by 10%, you get **10.5892, 0.1706, 0.0828**, and if you desaturate by 10%, it is **19.5324, 0.2037, 0.1337**.

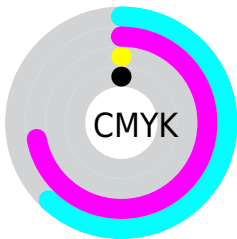
Distribution



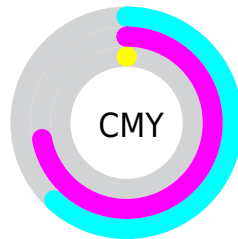
- Red (38%)
- Green (28%)
- Blue (100%)



- Red (38%)
- Yellow (28%)
- Blue (100%)



- Cyan (62%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2133, 0.1856, 0.1050 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 14.2133, 0.1856, 0.1050 by changing the saturation by 10% instead.


 14.2133, 0.1856,
0.1050


 14.2133, 0.1856,
0.1050


218.5538, 0.2560,
0.2066


 8.2692, 0.1681,
0.0853


 33.4670, 0.2116,
0.1380


 4.2677, 0.1465,
0.0636


 47.5454, 0.2213,
0.1517


 1.8244, 0.1199,
0.0409

 65.1040, 0.2295,
0.1637

 0.5023, 0.0882,
0.0178

 86.5272, 0.2365,
0.1743

 0.0000, 0.0526,
0.0000

 112.1993, 0.2424,
0.1838

 0.0000, 0.0000,
0.0000

142.5049, 0.2476,

0.1922

177.8282, 0.2520,
0.1998

■ 14.2133, 0.1856,
0.1050

■ 14.2133, 0.1856,
0.1050

■ 10.5892, 0.1706,
0.0828

■ 19.5324, 0.2037,
0.1337

■ 8.4478, 0.1598,
0.0685

■ 26.7230, 0.2234,
0.1666

■ 7.5699, 0.1543,
0.0624

■ 35.9396, 0.2434,
0.2011

■ 47.3207, 0.2626,
0.2353

■ 60.9921, 0.2803,
0.2677

■ 77.0704, 0.2961,
0.2972

■ 95.6639, 0.3100,
0.3237

■ 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.



14.2133, 0.0955, 0.0916



14.2133, 0.1856, 0.1050



14.2133, 0.3639, 0.1501

Triad

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



14.2133, 0.1856, 0.1050



14.2133, 0.6068, 0.3932



14.2133, 0.0780, 0.3896

Complementary

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



14.2133, 0.1856, 0.1050



88.8071, 0.3912, 0.4995

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.



14.2133, 0.1684, 0.6970



14.2133, 0.1856, 0.1050



14.2133, 0.4634, 0.5366

Square

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



14.2133, 0.1856, 0.1050



14.2133, 0.6760, 0.2989



14.2133, 0.3028, 0.6972



14.2133, 0.0506, 0.1809

Rectangle

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



14.2133, 0.1856, 0.1050



14.2133, 0.5187, 0.1970



14.2133, 0.3028, 0.6972



14.2133, 0.1005, 0.5003

Sweetspot

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



14.2135, 0.1856, 0.1050



61.2153, 0.2805, 0.2681



65.4153, 0.2240, 0.2985



12.2571, 0.2759, 0.2596



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.



14.2135, 0.1856, 0.1050



9.3804, 0.1648, 0.0748



22.3617, 0.2557, 0.1397



17.4958, 0.3000, 0.3046



3.9913, 0.1551, 0.0628



0.4231, 0.1632, 0.0673

Inverse Universe

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



31.4849, 0.3456, 0.1883



27.7879, 0.3532, 0.1772



77.4193, 0.3312, 0.5403



18.2555, 0.3159, 0.3087



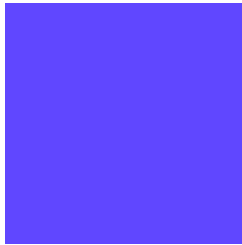
13.8370, 0.3585, 0.1749



1.3585, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 14.2133, 0.1856, 0.1050 looks on a white background.

Color Contrast Check

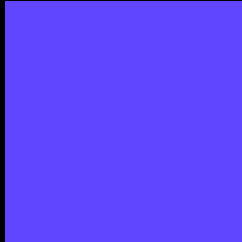
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2133, 0.1856, 0.1050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

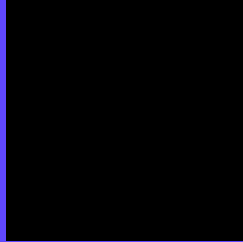
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2133, 0.1856, 0.1050

Background



This preview shows how black text looks on a background with the Yxy color 14.2133, 0.1856, 0.1050.

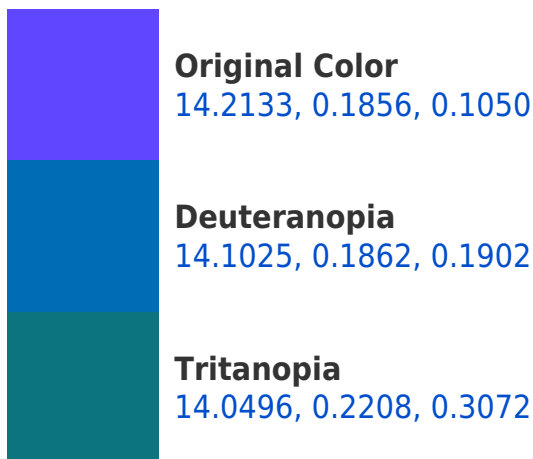


This preview shows how white text looks on a background with the Yxy color 14.2133, 0.1856, 0.1050.

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



Trichromacy



Original Color

14.2133, 0.1856, 0.1050

Deuteranomaly

13.1452, 0.1782, 0.1438

Tritanomaly

12.6065, 0.1958, 0.1899

Monochromacy



Original Color

14.2133, 0.1856, 0.1050

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1417, 0.2444, 0.2031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2133, 0.1856, 0.1050 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(96, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 71, 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(96, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 14.2133, 0.1856, 0.1050 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(96, 71, 255) }
```

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

```
.border{ border-color:rgb(96, 71, 255) }
```

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

Here you see how a box with a 4 pixel rgb(96, 71, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 71,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 14.2133, 0.1856, 0.1050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 71, 255) }
```

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

```
.background{ background-color: rgb(96, 71,  
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