

Converting Colors

$Yxy(14.5877, 0.1835, 0.1327)$

Have a look what the booklet for
Yxy(14.5877, 0.1835, 0.1327)
contains.

Yxy(14.5884, 0.1835, 0.1327)	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(14.5884, 0.1835, 0.1327)

Conversions

Conversions Part 1

Format	Color
Hex	425DE4
RGB	66, 93, 228
RGB Percent	26%, 36%, 89%
CMY	0.7407, 0.6354, 0.1058
CMYK	0.71, 0.59, 0.00, 0.11
HSL	230°, 75%, 58%
HSV	230°, 71%, 89%
XYZ	20.1731, 14.5884, 75.1737
YIQ	100.3170, -59.4270, 36.2610

Conversions

Conversions Part 2

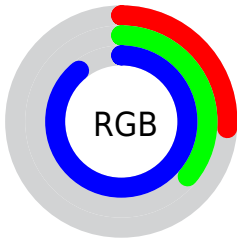
Format	Color
R _Y B	66, 89, 228
Decimal	4349412
CIE Lab	45.07, 35.04, -71.48
CIE LCh	45, 79.607, 296.113
Yxy	14.5884, 0.1835, 0.1327
Android (android.graphics.Color)	4282539492 (0xFF425DE4)
YUV	100.3170, 62.9477, -30.0960
Hunter-Lab	38.1948, 27.4365, -89.9563

Details

The Yxy color **14.5884, 0.1835, 0.1327** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **58.7469, 0.4268, 0.4650**, and the grayscale version is **12.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8515, 0.2233, 0.1894**, and **5.0542, 0.1601, 0.0962** is the 20% darker color. If you saturate the color by 10%, you get **11.0143, 0.1694, 0.1068**, and if you desaturate by 10%, it is **19.3091, 0.2008, 0.1621**.

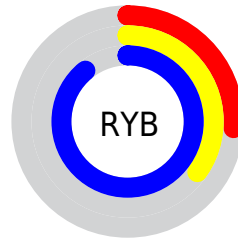
Distribution



Red (26%)

Green (36%)

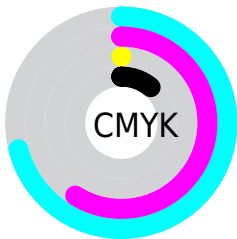
Blue (89%)



Red (26%)

Yellow (35%)

Blue (89%)

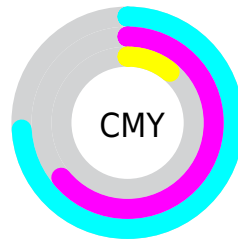


Cyan (71%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5884, 0.1835, 0.1327 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 14.5884, 0.1835, 0.1327 by changing the saturation by 10% instead.


 14.5884, 0.1835,
0.1327


 14.5884, 0.1835,
0.1327


220.8612, 0.2548,
0.2290


 8.5310, 0.1653,
0.1116


 34.1295, 0.2101,
0.1660


 4.4366, 0.1425,
0.0872


 48.3820, 0.2200,
0.1791

 1.9207, 0.1139,
0.0597

 66.1350, 0.2282,
0.1904

 0.5608, 0.0792,
0.0293

 87.7728, 0.2352,
0.2002

 0.0000, 0.0322,
0.0000

113.6800, 0.2412,
0.2088

 0.0000, 0.0000,
0.0000

144.2409, 0.2463,

0.2164

179.8398, 0.2508,
0.2231

■ 14.5884, 0.1835,
0.1327

■ 14.5884, 0.1835,
0.1327

■ 11.0143, 0.1694,
0.1068

■ 19.3091, 0.2008,
0.1621

■ 8.4829, 0.1593,
0.0862

■ 25.2650, 0.2199,
0.1931

■ 6.9783, 0.1536,
0.0729

■ 32.5371, 0.2398,
0.2240

■ 41.1992, 0.2595,
0.2535

■ 51.3191, 0.2782,
0.2807

■ 62.9605, 0.2955,
0.3052

■ 76.1832, 0.3112,
0.3270

■ 91.0436, 0.3253,
0.3460

■ 98.3832, 0.3285,
0.3552

Harmonies

Analogous

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



14.5884, 0.1149, 0.1287



14.5884, 0.1835, 0.1327



14.5884, 0.3108, 0.1670

Triad

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



14.5884, 0.1835, 0.1327



14.5884, 0.5897, 0.3887



14.5884, 0.1436, 0.4438

Complementary

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



14.5884, 0.1835, 0.1327



58.7469, 0.4268, 0.4650

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.



14.5884, 0.2480, 0.6211



14.5884, 0.1835, 0.1327



14.5884, 0.5025, 0.4975

Square

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



14.5884, 0.1835, 0.1327



14.5884, 0.5962, 0.3051



14.5884, 0.3755, 0.6064



14.5884, 0.0931, 0.2535

Rectangle

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



14.5884, 0.1835, 0.1327



14.5884, 0.4240, 0.2061



14.5884, 0.3755, 0.6064



14.5884, 0.1734, 0.5176

Sweetspot

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



14.5888, 0.1835, 0.1327



65.9578, 0.2780, 0.2804



60.8852, 0.2438, 0.3660



13.3023, 0.2729, 0.2731



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.



14.5888, 0.1835, 0.1327



12.5618, 0.1643, 0.0968



13.5116, 0.2118, 0.1206



14.2715, 0.2980, 0.3088



4.1434, 0.1541, 0.0748



0.4227, 0.1607, 0.0985

Inverse Universe

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



21.1982, 0.5157, 0.3042



23.1595, 0.5754, 0.3086



64.9039, 0.3656, 0.5136



14.4068, 0.3266, 0.3251



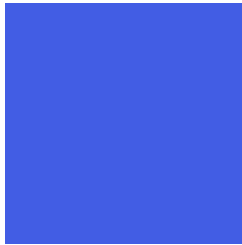
9.6160, 0.6154, 0.3164



0.7223, 0.5781, 0.2958

Previews

White Background



This preview shows how the Yxy color 14.5884, 0.1835, 0.1327 looks on a white background.

Color Contrast Check

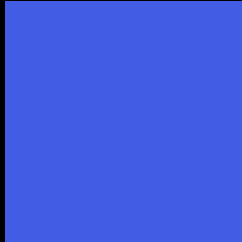
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5884, 0.1835, 0.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

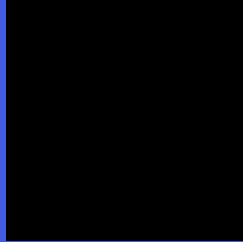
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5884, 0.1835, 0.1327

Background



This preview shows how black text looks on a background with the Yxy color 14.5884, 0.1835, 0.1327.



This preview shows how white text looks on a background with the Yxy color 14.5884, 0.1835, 0.1327.

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

14.5884, 0.1835, 0.1327

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.4824, 0.1854, 0.1873



Tritanopia

14.4632, 0.2194, 0.3097

Trichromacy



Original Color

14.5884, 0.1835, 0.1327

Protanomaly

14.2852, 0.1748, 0.1406

Deuteranomaly

14.1117, 0.1812, 0.1621

Tritanomaly

13.7758, 0.1981, 0.2191

Monochromacy



Original Color

14.5884, 0.1835, 0.1327

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7307, 0.2438, 0.2288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5884, 0.1835, 0.1327 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(66, 93, 228)` looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 228)  
}
```

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(66, 93, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 228) }
```

Border

The CSS property to change the border of an element to Yxy 14.5884, 0.1835, 0.1327 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(66, 93, 228) }
```

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

```
.border{ border-color:rgb(66, 93, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 93, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 93, 228);  
box-shadow:4px 4px 4px 4px rgb(66, 93,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5884, 0.1835, 0.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 228) }
```

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

```
.background{ background-color: rgb(66, 93,  
228) }
```

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