

Converting Colors

$Y_{xy}(14.4285, 0.2147, 0.1153)$

Have a look what the booklet for
Yxy(14.4285, 0.2147, 0.1153)
contains.

Yxy(14.4285, 0.2147, 0.1153)	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(14.4285, 0.2147, 0.1153)

Conversions

Conversions Part 1

Format	Color
Hex	843CF0
RGB	132, 60, 240
RGB Percent	52%, 24%, 94%
CMY	0.4823, 0.7649, 0.0586
CMYK	0.45, 0.75, 0.00, 0.06
HSL	264°, 86%, 59%
HSV	264°, 75%, 94%
XYZ	26.8673, 14.4285, 83.8430
YIQ	102.0480, -14.8680, 71.2440

Conversions

Conversions Part 2

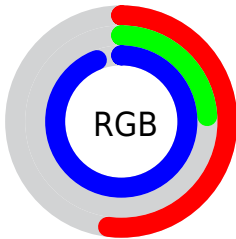
Format	Color
R _Y B	132, 60, 240
Decimal	8666352
CIE Lab	44.84, 65.90, -78.42
CIE LCh	45, 102.429, 310.042
Yxy	14.4285, 0.2147, 0.1153
Android (android.graphics.Color)	4286856432 (0xFF843CF0)
YUV	102.0480, 68.0103, 26.2679
Hunter-Lab	37.9849, 59.7823, -104.2798

Details

The Yxy color **14.4285, 0.2147, 0.1153** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **70.9965, 0.3577, 0.5276**, and the grayscale version is **13.1193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5921, 0.2636, 0.1751**, and **4.6478, 0.1801, 0.0766** is the 20% darker color. If you saturate the color by 10%, you get **11.3783, 0.2006, 0.0960**, and if you desaturate by 10%, it is **18.7789, 0.2299, 0.1401**.

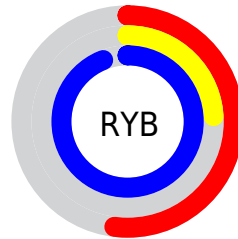
Distribution



Red (52%)

Green (24%)

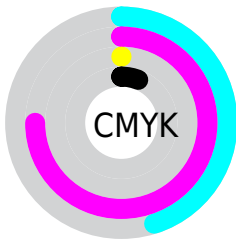
Blue (94%)



Red (52%)

Yellow (24%)

Blue (94%)

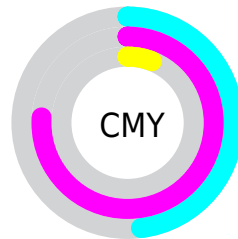


Cyan (45%)

Magenta (75%)

Yellow (0%)

Black (6%)



Cyan (48%)


Magenta (76%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4285, 0.2147, 0.1153 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 14.4285, 0.2147, 0.1153 by changing the saturation by 10% instead.


 14.4285, 0.2147,
0.1153


 14.4285, 0.2147,
0.1153


219.8805, 0.2719,
0.2141

 8.4193, 0.1993,
0.0953


 33.8474, 0.2367,
0.1481


 4.3644, 0.1795,
0.0727


 48.0259, 0.2446,
0.1614

 1.8794, 0.1538,
0.0484


 65.6963, 0.2512,
0.1731

 0.5360, 0.1209,
0.0226

 87.2430, 0.2567,
0.1833

 0.0000, 0.0802,
0.0000

 113.0504, 0.2614,
0.1924

 0.0000, 0.0020,
0.0000

143.5028, 0.2654,

 0.0000, 0.0000,

0.2004

0.0000

178.9847, 0.2689,
0.2077

■ 14.4285, 0.2147,
0.1153

■ 14.4285, 0.2147,
0.1153

■ 11.3783, 0.2006,
0.0960

■ 18.7789, 0.2299,
0.1401

■ 9.4526, 0.1883,
0.0828

■ 24.5711, 0.2455,
0.1687

■ 8.7839, 0.1829,
0.0781

■ 31.9289, 0.2606,
0.1995

■ 40.9619, 0.2747,
0.2307

■ 51.7697, 0.2874,
0.2612

64.4438, 0.2986,
0.2900

79.0694, 0.3084,
0.3166

95.7264, 0.3167,
0.3407

99.0740, 0.3214,
0.3434

Harmonies

Analogous

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



14.4285, 0.1116, 0.0964



14.4285, 0.2147, 0.1153



14.4285, 0.4041, 0.1664

Triad

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



14.4285, 0.2147, 0.1153



14.4285, 0.5805, 0.4195



14.4285, 0.0747, 0.3371

Complementary

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



14.4285, 0.2147, 0.1153



70.9965, 0.3577, 0.5276

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.



14.4285, 0.1541, 0.6395



14.4285, 0.2147, 0.1153



14.4285, 0.4348, 0.5652

Square

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



14.4285, 0.2147, 0.1153



14.4285, 0.6638, 0.3186



14.4285, 0.2852, 0.7148



14.4285, 0.0543, 0.1659

Rectangle

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



14.4285, 0.2147, 0.1153



14.4285, 0.5505, 0.2154



14.4285, 0.2852, 0.7148



14.4285, 0.0933, 0.4336

Sweetspot

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



14.4289, 0.2147, 0.1153



62.0454, 0.2897, 0.2670



35.2631, 0.2046, 0.2283



12.2345, 0.2854, 0.2562



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.



14.4289, 0.2147, 0.1153



11.7420, 0.1938, 0.0883



25.0571, 0.3018, 0.1592



15.5374, 0.3042, 0.3050



4.8788, 0.1845, 0.0790



0.4622, 0.1992, 0.0871

Inverse Universe

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



24.5875, 0.4108, 0.2263



24.6271, 0.4392, 0.2243



64.2918, 0.3075, 0.5627



15.9181, 0.3199, 0.3149



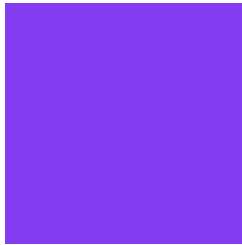
11.2697, 0.4540, 0.2275



0.9571, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 14.4285, 0.2147, 0.1153 looks on a white background.

Color Contrast Check

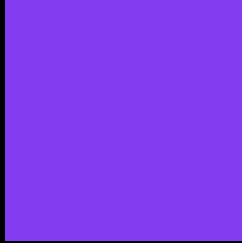
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4285, 0.2147, 0.1153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

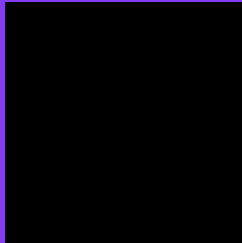
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.4285, 0.2147, 0.1153

Background



This preview shows how black text looks on a background with the Yxy color 14.4285, 0.2147, 0.1153.



This preview shows how white text looks on a background with the Yxy color 14.4285, 0.2147, 0.1153.

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

14.4285, 0.2147, 0.1153

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.4824, 0.1854, 0.1873



Tritanopia

14.3126, 0.2948, 0.3098

Trichromacy



Original Color

14.4285, 0.2147, 0.1153



Protanomaly

12.8810, 0.1754, 0.1240



Deuteranomaly

12.5668, 0.1816, 0.1418



Tritanomaly

13.1276, 0.2568, 0.2031

Monochromacy



Original Color

14.4285, 0.2147, 0.1153



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.5941, 0.2657, 0.2107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4285, 0.2147, 0.1153 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(132, 60, 240)` looks like.

```
.text, #text, p{  
  color:rgb(132, 60, 240)  
}
```

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(132, 60, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 60, 240) }
```

Border

The CSS property to change the border of an element to Yxy 14.4285, 0.2147, 0.1153 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(132, 60, 240) }
```

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

```
.border{ border-color:rgb(132, 60, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 60, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 60, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 60, 240);  
box-shadow:4px 4px 4px 4px rgb(132, 60,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4285, 0.2147, 0.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 60, 240) }
```

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

```
.background{ background-color: rgb(132, 60,  
240) }
```

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