

Converting Colors

$Yxy(13.4319, 0.2006, 0.0983)$

Have a look what the booklet for
Yxy(13.4319, 0.2006, 0.0983)
contains.

Yxy(13.4567, 0.2008, 0.0985)	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(13.4567, 0.2008, 0.0985)

Conversions

Conversions Part 1

Format	Color
Hex	7D2DFF
RGB	125, 45, 255
RGB Percent	49%, 18%, 100%
CMY	0.5101, 0.8231, 0.0001
CMYK	0.51, 0.82, 0.00, 0.00
HSL	263°, 100%, 59%
HSV	263°, 82%, 100%
XYZ	27.4325, 13.4567, 95.7270
YIQ	92.8600, -19.7300, 82.2700

Conversions

Conversions Part 2

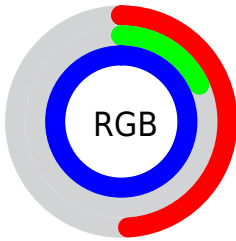
Format	Color
R _Y B	125, 45, 255
Decimal	8203775
CIE Lab	43.44, 74.21, -89.11
CIE LCh	43, 115.961, 309.787
Yxy	13.4567, 0.2008, 0.0985
Android (android.graphics.Color)	4286393855 (0xFF7D2DFF)
YUV	92.8600, 79.9350, 28.1868
Hunter-Lab	36.6834, 69.2899, -129.0417

Details

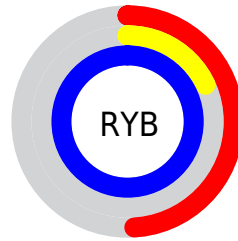
The Yxy color **13.4567, 0.2008, 0.0985** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **80.8161, 0.3596, 0.5388**, and the grayscale version is **10.7354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6119, 0.2584, 0.1635**, and **4.7881, 0.1662, 0.0689** is the 20% darker color. If you saturate the color by 10%, you get **10.9637, 0.1879, 0.0837**, and if you desaturate by 10%, it is **17.3123, 0.2155, 0.1196**.

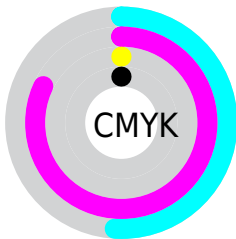
Distribution



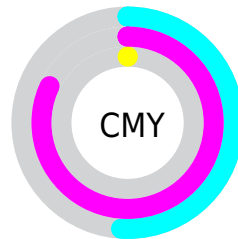
- Red (49%)
- Green (18%)
- Blue (100%)



- Red (49%)
- Yellow (18%)
- Blue (100%)



- Cyan (51%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4567, 0.2008, 0.0985 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 13.4567, 0.2008, 0.0985 by changing the saturation by 10% instead.


 13.4567, 0.2008,
0.0985


 13.4567, 0.2008,
0.0985


213.8242, 0.2651,
0.2011


 7.7438, 0.1842,
0.0791

 32.1219, 0.2250,
0.1314


 3.9314, 0.1634,
0.0580


 45.8429, 0.2340,
0.1452


 1.6353, 0.1373,
0.0363


 63.0021, 0.2414,
0.1573

 0.3812, 0.1053,
0.0134

 83.9838, 0.2477,
0.1681

 0.0000, 0.0675,
0.0000

 109.1725, 0.2531,
0.1778

 0.0000, 0.0074,
0.0000

 138.9525, 0.2576,

 0.0000, 0.0000,

0.1864

0.0000

173.7083, 0.2616,
0.1941

■ 13.4567, 0.2008,
0.0985

■ 13.4567, 0.2008,
0.0985

■ 10.9637, 0.1879,
0.0837

■ 17.3123, 0.2155,
0.1196

■ 9.7579, 0.1795,
0.0762

■ 22.7216, 0.2313,
0.1458

■ 29.8444, 0.2473,
0.1756

■ 38.8198, 0.2626,
0.2070

■ 49.7723, 0.2769,
0.2385

62.8151, 0.2897,
0.2689

78.0528, 0.3010,
0.2973

95.5829, 0.3107,
0.3233

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



13.4567, 0.0951, 0.0801



13.4567, 0.2008, 0.0985



13.4567, 0.4116, 0.1497

Triad

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



13.4567, 0.2008, 0.0985



13.4567, 0.5951, 0.4049



13.4567, 0.0537, 0.3325

Complementary

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



13.4567, 0.2008, 0.0985



80.8161, 0.3596, 0.5388

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.



13.4567, 0.1268, 0.7008



13.4567, 0.2008, 0.0985



13.4567, 0.4278, 0.5722

Square

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



13.4567, 0.2008, 0.0985



13.4567, 0.6987, 0.3002



13.4567, 0.2541, 0.7459



13.4567, 0.0385, 0.1461

Rectangle

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



13.4567, 0.2008, 0.0985



13.4567, 0.5808, 0.1994



13.4567, 0.2541, 0.7459



13.4567, 0.0699, 0.4482

Sweetspot

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



13.4570, 0.2008, 0.0985



59.1134, 0.2864, 0.2609



39.6244, 0.2002, 0.2264



11.6629, 0.2819, 0.2502



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.



13.4570, 0.2008, 0.0985



9.9041, 0.1805, 0.0771



25.4302, 0.2930, 0.1471



17.7144, 0.3038, 0.3048



5.1792, 0.1811, 0.0771



0.5646, 0.1936, 0.0840

Inverse Universe

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



26.2382, 0.4187, 0.2201



23.8177, 0.4474, 0.2242



73.1060, 0.3078, 0.5773



18.1764, 0.3197, 0.3144



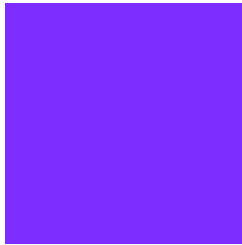
12.4288, 0.4464, 0.2233



1.2315, 0.4282, 0.2132

Previews

White Background



This preview shows how the Yxy color 13.4567, 0.2008, 0.0985 looks on a white background.

Color Contrast Check

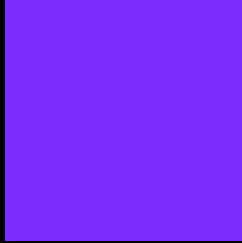
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4567, 0.2008, 0.0985 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 13.4567, 0.2008, 0.0985

Background



This preview shows how black text looks on a background with the Yxy color 13.4567, 0.2008, 0.0985.



This preview shows how white text looks on a background with the Yxy color 13.4567, 0.2008, 0.0985.

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

13.4567, 0.2008, 0.0985

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.3620, 0.2735, 0.3107

Trichromacy



Original Color

13.4567, 0.2008, 0.0985

Protanomaly

11.5861, 0.1719, 0.1140

Deuteranomaly

11.2006, 0.1775, 0.1298

Tritanomaly

11.6539, 0.2354, 0.1829

Monochromacy



Original Color

13.4567, 0.2008, 0.0985

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.4391, 0.2537, 0.1881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4567, 0.2008, 0.0985 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(125, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 45, 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(125, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 45, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.4567, 0.2008, 0.0985 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(125, 45, 255) }
```

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

```
.border{ border-color:rgb(125, 45, 255) }
```

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

Here you see how a box with a 4 pixel rgb(125, 45, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 45,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4567, 0.2008, 0.0985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 45, 255) }
```

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

```
.background{ background-color: rgb(125, 45,  
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