

Converting Colors

$Y_{xy}(14.3589, 0.2158, 0.1288)$

Have a look what the booklet for
Yxy(14.3589, 0.2158, 0.1288)
contains.

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Color

Yxy(14.3389, 0.2161, 0.1291)

Conversions

Conversions Part 1

Format	Color
Hex	7A49E1
RGB	122, 73, 225
RGB Percent	48%, 29%, 88%
CMY	0.5214, 0.7138, 0.1177
CMYK	0.46, 0.68, 0.00, 0.12
HSL	259°, 72%, 58%
HSV	259°, 68%, 88%
XYZ	24.0018, 14.3389, 72.7274
YIQ	104.9790, -19.5880, 57.6600

Conversions

Conversions Part 2

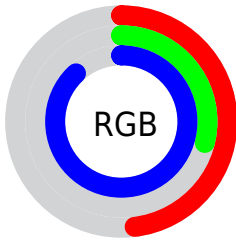
Format	Color
R _Y B	122, 73, 225
Decimal	8014305
CIE Lab	44.72, 54.33, -70.15
CIE LCh	45, 88.728, 307.761
Yxy	14.3389, 0.2161, 0.1291
Android (android.graphics.Color)	4286204385 (0xFF7A49E1)
YUV	104.9790, 59.1704, 14.9274
Hunter-Lab	37.8667, 46.8754, -87.3666

Details

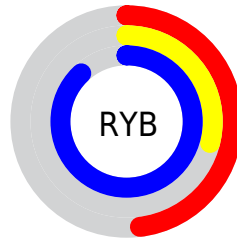
The Yxy color **14.3389, 0.2161, 0.1291** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **63.5462, 0.3660, 0.5055**, and the grayscale version is **13.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7110, 0.2546, 0.1817**, and **4.3241, 0.1807, 0.0849** is the 20% darker color. If you saturate the color by 10%, you get **10.8723, 0.2001, 0.1047**, and if you desaturate by 10%, it is **19.0494, 0.2330, 0.1580**.

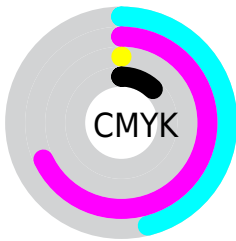
Distribution



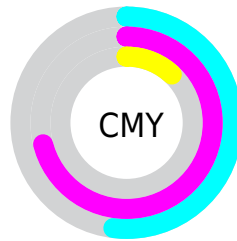
- Red (48%)
- Green (29%)
- Blue (88%)



- Red (48%)
- Yellow (29%)
- Blue (88%)



- Cyan (46%)
- Magenta (68%)
- Yellow (0%)
- Black (12%)





- Cyan (52%)
- Magenta (71%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3389, 0.2161, 0.1291 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 14.3389, 0.2161, 0.1291 by changing the saturation by 10% instead.


 14.3389, 0.2161,
0.1291


 14.3389, 0.2161,
0.1291


219.3291, 0.2724,
0.2252

 8.3568, 0.2006,
0.1084


 33.6892, 0.2379,
0.1620

 4.3241, 0.1804,
0.0845


 47.8261, 0.2458,
0.1750

 1.8564, 0.1538,
0.0577

 65.4500, 0.2523,
0.1863

 0.5220, 0.1191,
0.0276

 86.9454, 0.2577,
0.1962

 0.0000, 0.0752,
0.0000

 112.6966, 0.2622,
0.2048

 0.0000, 0.0000,
0.0000

143.0880, 0.2661,

0.2124

178.5040, 0.2695,
0.2192

■ 14.3389, 0.2161,
0.1291

■ 14.3389, 0.2161,
0.1291

■ 10.8723, 0.2001,
0.1047

■ 19.0494, 0.2330,
0.1580

■ 8.5186, 0.1860,
0.0862

■ 25.1136, 0.2498,
0.1895

■ 7.1048, 0.1744,
0.0744

■ 32.6305, 0.2658,
0.2216

■ 6.8370, 0.1720,
0.0721

■ 41.6889, 0.2805,
0.2531

■ 52.3708, 0.2936,
0.2827

■ 64.7521, 0.3051,
0.3101

■ 78.9036, 0.3150,
0.3348

■ 94.8925, 0.3234,
0.3569

■ 98.2156, 0.3304,
0.3582

Harmonies

Analogous

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



14.3389, 0.1226, 0.1128



14.3389, 0.2161, 0.1291



14.3389, 0.3805, 0.1765

Triad

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



14.3389, 0.2161, 0.1291



14.3389, 0.5772, 0.4228



14.3389, 0.0999, 0.3590

Complementary

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



14.3389, 0.2161, 0.1291



63.5462, 0.3660, 0.5055

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.



14.3389, 0.1863, 0.6067



14.3389, 0.2161, 0.1291



14.3389, 0.4523, 0.5477

Square

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



14.3389, 0.2161, 0.1291



14.3389, 0.6335, 0.3269



14.3389, 0.3138, 0.6637



14.3389, 0.0718, 0.1927

Rectangle

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



14.3389, 0.2161, 0.1291



14.3389, 0.5089, 0.2231



14.3389, 0.3138, 0.6637



14.3389, 0.1216, 0.4427

Sweetspot

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



14.3393, 0.2161, 0.1291



65.6933, 0.2904, 0.2753



38.2377, 0.2176, 0.2598



13.1882, 0.2867, 0.2670



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.



14.3393, 0.2161, 0.1291



13.0235, 0.1942, 0.0965



22.0851, 0.2901, 0.1641



13.4570, 0.3031, 0.3051



3.9962, 0.1734, 0.0729



0.3241, 0.1903, 0.0822

Inverse Universe

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



23.9003, 0.3798, 0.2200



27.0562, 0.3994, 0.2101



57.0826, 0.3155, 0.5380



13.8564, 0.3187, 0.3133



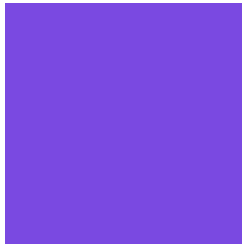
10.5601, 0.4228, 0.2103



0.7481, 0.4032, 0.1995

Previews

White Background



This preview shows how the Yxy color 14.3389, 0.2161, 0.1291 looks on a white background.

Color Contrast Check

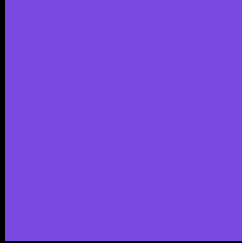
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3389, 0.2161, 0.1291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

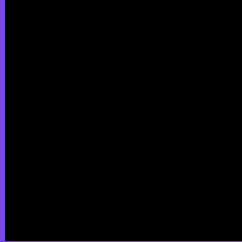
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.3389, 0.2161, 0.1291

Background



This preview shows how black text looks on a background with the Yxy color 14.3389, 0.2161, 0.1291.



This preview shows how white text looks on a background with the Yxy color 14.3389, 0.2161, 0.1291.

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

14.3389, 0.2161, 0.1291

Protanopia

14.4090, 0.1744, 0.1476

Deuteranopia

14.3130, 0.1845, 0.1843



Tritanopia

14.3658, 0.2848, 0.3116

Trichromacy



Original Color

14.3389, 0.2161, 0.1291



Protanomaly

13.1321, 0.1769, 0.1322



Deuteranomaly

12.9369, 0.1832, 0.1512



Tritanomaly

13.5278, 0.2526, 0.2162

Monochromacy



Original Color

14.3389, 0.2161, 0.1291



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.3781, 0.2674, 0.2250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3389, 0.2161, 0.1291 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(122, 73, 225)` looks like.

```
.text, #text, p{  
  color:rgb(122, 73, 225)  
}
```

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(122, 73, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 73, 225) }
```

Border

The CSS property to change the border of an element to Yxy 14.3389, 0.2161, 0.1291 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(122, 73, 225) }
```

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

```
.border{ border-color:rgb(122, 73, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 73, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 73, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 73, 225);  
box-shadow:4px 4px 4px 4px rgb(122, 73,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3389, 0.2161, 0.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 73, 225) }
```

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

```
.background{ background-color: rgb(122, 73,  
225) }
```

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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