

Converting Colors

$Y_{xy}(13.5597, 0.2120, 0.1271)$

Have a look what the booklet for
Yxy(13.5597, 0.2120, 0.1271)
contains.

Yxy(13.5535, 0.2116, 0.1271)	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(13.5535, 0.2116, 0.1271)

Conversions

Conversions Part 1

Format	Color
Hex	7348DE
RGB	115, 72, 222
RGB Percent	45%, 28%, 87%
CMY	0.5492, 0.7175, 0.1295
CMYK	0.48, 0.68, 0.00, 0.13
HSL	257°, 69%, 58%
HSV	257°, 68%, 87%
XYZ	22.5643, 13.5535, 70.5187
YIQ	101.9570, -22.5220, 55.7660

Conversions

Conversions Part 2

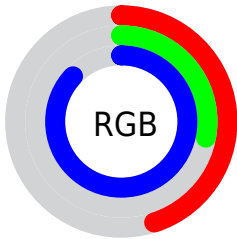
Format	Color
R _Y B	115, 72, 222
Decimal	7555294
CIE Lab	43.59, 52.76, -70.31
CIE LCh	44, 87.902, 306.888
Yxy	13.5535, 0.2116, 0.1271
Android (android.graphics.Color)	4285745374 (0xFF7348DE)
YUV	101.9570, 59.1812, 11.4387
Hunter-Lab	36.8151, 44.9778, -87.7985

Details

The Yxy color **13.5535, 0.2116, 0.1271** 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 **62.2921, 0.3703, 0.5026**, and the grayscale version is **13.1239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3846, 0.2488, 0.1775**, and **3.9933, 0.1741, 0.0816** is the 20% darker color. If you saturate the color by 10%, you get **10.1988, 0.1953, 0.1023**, and if you desaturate by 10%, it is **18.1293, 0.2290, 0.1565**.

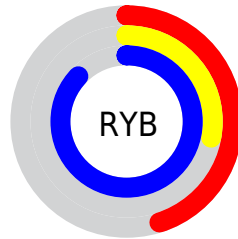
Distribution



Red (45%)

Green (28%)

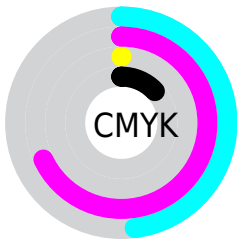
Blue (87%)



Red (45%)

Yellow (28%)

Blue (87%)

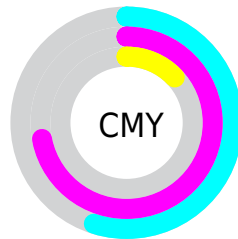


Cyan (48%)

Magenta (68%)

Yellow (0%)

Black (13%)



Cyan (55%)


Magenta (72%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5535, 0.2116, 0.1271 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 13.5535, 0.2116, 0.1271 by changing the saturation by 10% instead.


 13.5535, 0.2116,
0.1271


 13.5535, 0.2116,
0.1271


214.4352, 0.2706,
0.2248


 7.8108, 0.1953,
0.1060


 32.2947, 0.2345,
0.1606


 3.9741, 0.1742,
0.0817


 46.0619, 0.2427,
0.1739

 1.6591, 0.1465,
0.0545

 63.2727, 0.2495,
0.1854

 0.3970, 0.1109,
0.0224

 84.3116, 0.2551,
0.1954

 0.0000, 0.0644,
0.0000

 109.5629, 0.2599,
0.2041

 0.0000, 0.0000,
0.0000

139.4110, 0.2640,

0.2119

174.2403, 0.2675,
0.2187

■ 13.5535, 0.2116,
0.1271

■ 13.5535, 0.2116,
0.1271

■ 10.1988, 0.1953,
0.1023

■ 18.1293, 0.2290,
0.1565

■ 7.9371, 0.1811,
0.0837

■ 24.0339, 0.2465,
0.1884

■ 6.5988, 0.1699,
0.0719

■ 31.3643, 0.2633,
0.2210

■ 6.3467, 0.1675,
0.0696

■ 40.2078, 0.2787,
0.2528

■ 50.6446, 0.2926,
0.2827

62.7491, 0.3047,
0.3101

76.5913, 0.3151,
0.3348

92.2366, 0.3241,
0.3568

98.0528, 0.3322,
0.3612

Harmonies

Analogous

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



13.5535, 0.1197, 0.1116



13.5535, 0.2116, 0.1271



13.5535, 0.3753, 0.1737

Triad

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



13.5535, 0.2116, 0.1271



13.5535, 0.5811, 0.4189



13.5535, 0.1001, 0.3659

Complementary

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



13.5535, 0.2116, 0.1271



62.2921, 0.3703, 0.5026

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.



13.5535, 0.1882, 0.6155



13.5535, 0.2116, 0.1271



13.5535, 0.4560, 0.5440

Square

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



13.5535, 0.2116, 0.1271



13.5535, 0.6358, 0.3237



13.5535, 0.3175, 0.6659



13.5535, 0.0708, 0.1946

Rectangle

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



13.5535, 0.2116, 0.1271



13.5535, 0.5053, 0.2201



13.5535, 0.3175, 0.6659



13.5535, 0.1224, 0.4514

Sweetspot

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



13.5539, 0.2116, 0.1271



65.4029, 0.2891, 0.2751



39.0915, 0.2195, 0.2675



13.1194, 0.2852, 0.2667



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.



13.5539, 0.2116, 0.1271



12.5312, 0.1892, 0.0939



20.7946, 0.2847, 0.1617



13.4323, 0.3025, 0.3051



3.8196, 0.1688, 0.0704



0.3094, 0.1852, 0.0794

Inverse Universe

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



23.4238, 0.3721, 0.2148



27.3917, 0.3890, 0.2039



55.6743, 0.3182, 0.5360



13.8653, 0.3181, 0.3124



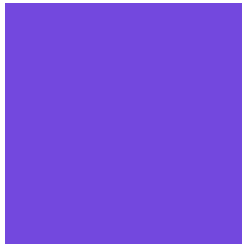
10.7204, 0.4091, 0.2027



0.7583, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 13.5535, 0.2116, 0.1271 looks on a white background.

Color Contrast Check

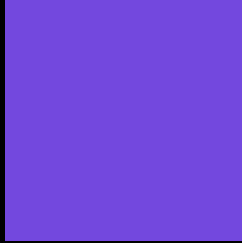
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5535, 0.2116, 0.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

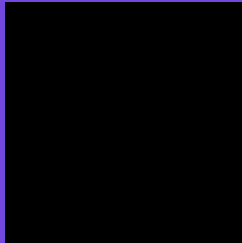
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5535, 0.2116, 0.1271

Background



This preview shows how black text looks on a background with the Yxy color 13.5535, 0.2116, 0.1271.



This preview shows how white text looks on a background with the Yxy color 13.5535, 0.2116, 0.1271.

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

13.5535, 0.2116, 0.1271

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.4393, 0.1849, 0.1855



Tritanopia

13.4772, 0.2747, 0.3087

Trichromacy



Original Color

13.5535, 0.2116, 0.1271



Protanomaly

12.4920, 0.1767, 0.1325



Deuteranomaly

12.3065, 0.1832, 0.1520



Tritanomaly

12.8253, 0.2453, 0.2146

Monochromacy



Original Color

13.5535, 0.2116, 0.1271



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6833, 0.2652, 0.2244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5535, 0.2116, 0.1271 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(115, 72, 222)` looks like.

```
.text, #text, p{  
  color:rgb(115, 72, 222)  
}
```

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(115, 72, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 72, 222) }
```

Border

The CSS property to change the border of an element to Yxy 13.5535, 0.2116, 0.1271 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(115, 72, 222) }
```

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

```
.border{ border-color:rgb(115, 72, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 72, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 72, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 72, 222);  
box-shadow:4px 4px 4px 4px rgb(115, 72,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5535, 0.2116, 0.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 72, 222) }
```

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

```
.background{ background-color: rgb(115, 72,  
222) }
```

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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