

Converting Colors

$Y_{xy}(13.6107, 0.2009, 0.1099)$

Have a look what the booklet for
Yxy(13.6107, 0.2009, 0.1099)
contains.

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Color

Yxy(13.6107, 0.2009, 0.1099)

Conversions

Conversions Part 1

Format	Color
Hex	733FF2
RGB	115, 63, 242
RGB Percent	45%, 25%, 95%
CMY	0.5490, 0.7531, 0.0508
CMYK	0.52, 0.74, 0.00, 0.05
HSL	257°, 87%, 60%
HSV	257°, 74%, 95%
XYZ	24.8807, 13.6107, 85.3548
YIQ	98.9540, -26.4670, 66.6930

Conversions

Conversions Part 2

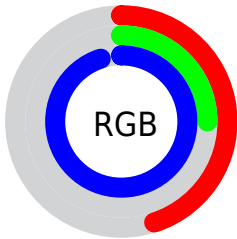
Format	Color
R _Y B	115, 63, 242
Decimal	7553010
CIE Lab	43.67, 62.65, -81.53
CIE LCh	44, 102.825, 307.540
Yxy	13.6107, 0.2009, 0.1099
Android (android.graphics.Color)	4285743090 (0xFF733FF2)
YUV	98.9540, 70.5217, 14.0723
Hunter-Lab	36.8927, 55.8196, -111.3483

Details

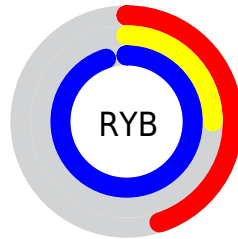
The Yxy color **13.6107, 0.2009, 0.1099** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **74.8369, 0.3716, 0.5160**, and the grayscale version is **12.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0579, 0.2504, 0.1715**, and **3.9743, 0.1629, 0.0671** is the 20% darker color. If you saturate the color by 10%, you get **10.4372, 0.1859, 0.0891**, and if you desaturate by 10%, it is **18.1787, 0.2177, 0.1365**.

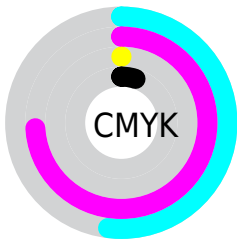
Distribution



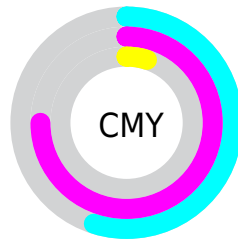
- Red (45%)
- Green (25%)
- Blue (95%)



- Red (45%)
- Yellow (25%)
- Blue (95%)



- Cyan (52%)
- Magenta (74%)
- Yellow (0%)
- Black (5%)





- Cyan (55%)
- Magenta (75%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6107, 0.2009, 0.1099 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 13.6107, 0.2009, 0.1099 by changing the saturation by 10% instead.


 13.6107, 0.2009,
0.1099


 13.6107, 0.2009,
0.1099


214.7953, 0.2650,
0.2111


 7.8504, 0.1841,
0.0897


 32.3967, 0.2252,
0.1433


 3.9994, 0.1628,
0.0671


 46.1911, 0.2341,
0.1570


 1.6732, 0.1358,
0.0432

 63.4324, 0.2415,
0.1689

 0.4062, 0.1025,
0.0171

 84.5049, 0.2478,
0.1794

 0.0000, 0.0628,
0.0000

 109.7931, 0.2531,
0.1888

 0.0000, 0.0000,
0.0000

139.6813, 0.2576,

0.1971

174.5539, 0.2616,
0.2045

■ 13.6107, 0.2009,
0.1099

■ 13.6107, 0.2009,
0.1099

■ 10.4372, 0.1859,
0.0891

■ 18.1787, 0.2177,
0.1365

■ 8.4778, 0.1736,
0.0752

■ 24.2884, 0.2353,
0.1670

■ 7.7283, 0.1676,
0.0697

■ 32.0688, 0.2526,
0.1995

■ 41.6347, 0.2690,
0.2320

■ 53.0906, 0.2839,
0.2634

66.5327, 0.2971,
0.2926

82.0507, 0.3086,
0.3192

98.6990, 0.3186,
0.3415

99.1935, 0.3202,
0.3414

Harmonies

Analogous

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



13.6107, 0.1036, 0.0935



13.6107, 0.2009, 0.1099



13.6107, 0.3866, 0.1584

Triad

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



13.6107, 0.2009, 0.1099



13.6107, 0.5928, 0.4072



13.6107, 0.0751, 0.3591

Complementary

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



13.6107, 0.2009, 0.1099



74.8369, 0.3716, 0.5160

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.



13.6107, 0.1593, 0.6687



13.6107, 0.2009, 0.1099



13.6107, 0.4471, 0.5529

Square

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



13.6107, 0.2009, 0.1099



13.6107, 0.6709, 0.3090



13.6107, 0.2914, 0.7086



13.6107, 0.0519, 0.1713

Rectangle

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



13.6107, 0.2009, 0.1099



13.6107, 0.5382, 0.2066



13.6107, 0.2914, 0.7086



13.6107, 0.0953, 0.4628

Sweetspot

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



13.6110, 0.2009, 0.1099



62.4987, 0.2865, 0.2692



44.8650, 0.2133, 0.2602



12.5553, 0.2827, 0.2609



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.



13.6110, 0.2009, 0.1099



10.4328, 0.1790, 0.0809



22.6963, 0.2808, 0.1499



15.4512, 0.3025, 0.3049



4.2105, 0.1691, 0.0705



0.3994, 0.1828, 0.0781

Inverse Universe

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



26.1548, 0.3813, 0.2091



25.7690, 0.4001, 0.2028



66.7007, 0.3166, 0.5541



15.9485, 0.3182, 0.3124



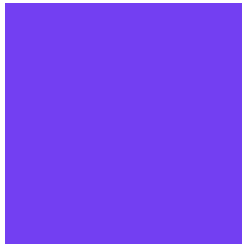
11.7593, 0.4110, 0.2038



0.9955, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 13.6107, 0.2009, 0.1099 looks on a white background.

Color Contrast Check

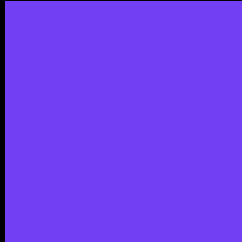
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6107, 0.2009, 0.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

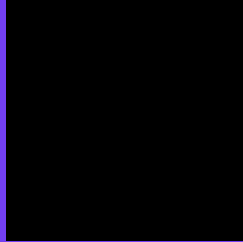
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6107, 0.2009, 0.1099

Background



This preview shows how black text looks on a background with the Yxy color 13.6107, 0.2009, 0.1099.



This preview shows how white text looks on a background with the Yxy color 13.6107, 0.2009, 0.1099.

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

13.6107, 0.2009, 0.1099

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.6034, 0.1858, 0.1887



Tritanopia

13.5053, 0.2619, 0.3083

Trichromacy



Original Color

13.6107, 0.2009, 0.1099



Protanomaly

12.3683, 0.1741, 0.1242



Deuteranomaly

12.1164, 0.1799, 0.1417



Tritanomaly

12.4366, 0.2319, 0.1980

Monochromacy



Original Color

13.6107, 0.2009, 0.1099



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.8932, 0.2567, 0.2071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6107, 0.2009, 0.1099 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, 63, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 63, 242)  
}
```

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, 63, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 63, 242) }
```

Border

The CSS property to change the border of an element to Yxy 13.6107, 0.2009, 0.1099 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, 63, 242) }
```

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

```
.border{ border-color:rgb(115, 63, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 63, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 63, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 63, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 63,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6107, 0.2009, 0.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 63, 242) }
```

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

```
.background{ background-color: rgb(115, 63,  
242) }
```

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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