

Converting Colors

$Y_{xy}(12.3782, 0.2174, 0.1136)$

Have a look what the booklet for
Yxy(12.3782, 0.2174, 0.1136)
contains.

Yxy(12.3707, 0.2168, 0.1134)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3707, 0.2168, 0.1134)

Conversions

Conversions Part 1

Format	Color
Hex	7F33E2
RGB	127, 51, 226
RGB Percent	50%, 20%, 89%
CMY	0.5023, 0.7996, 0.1139
CMYK	0.44, 0.77, 0.00, 0.11
HSL	266°, 75%, 54%
HSV	266°, 77%, 89%
XYZ	23.6505, 12.3707, 73.0679
YIQ	93.6740, -10.8790, 70.5370

Conversions

Conversions Part 2

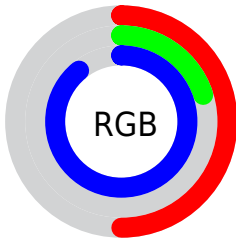
Format	Color
R _{YB}	127, 51, 226
Decimal	8336354
CIE _{Lab}	41.80, 65.35, -75.45
CIE _{LCh}	42, 99.815, 310.900
Yxy	12.3707, 0.2168, 0.1134
Android (android.graphics.Color)	4286526434 (0xFF7F33E2)
YUV	93.6740, 65.2367, 29.2269
Hunter-Lab	35.1720, 58.4767, -98.5512

Details

The Yxy color **12.3707, 0.2168, 0.1134** is a dark color, and the websafe version is hex **6600CC**. The color can be described as middle washed purple. A complement of this color would be **61.1116, 0.3533, 0.5346**, and the grayscale version is **10.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0929, 0.2578, 0.1657**, and **3.9546, 0.1817, 0.0775** is the 20% darker color. If you saturate the color by 10%, you get **9.9290, 0.2034, 0.0957**, and if you desaturate by 10%, it is **15.8968, 0.2313, 0.1366**.

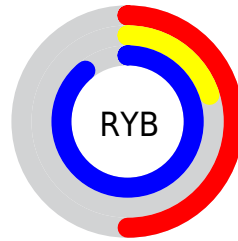
Distribution



Red (50%)

Green (20%)

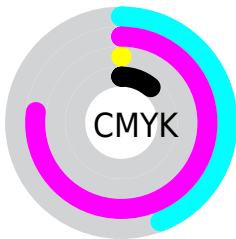
Blue (89%)



Red (50%)

Yellow (20%)

Blue (89%)

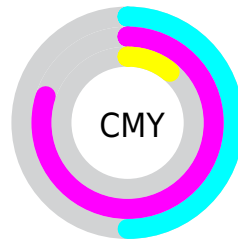


Cyan (44%)

Magenta (77%)

Yellow (0%)

Black (11%)



Cyan (50%)


Magenta (80%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3707, 0.2168, 0.1134 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 12.3707, 0.2168, 0.1134 by changing the saturation by 10% instead.


 12.3707, 0.2168,
0.1134


 12.3707, 0.2168,
0.1134


206.8442, 0.2743,
0.2153


 6.9967, 0.2007,
0.0924


 30.1685, 0.2393,
0.1476

 3.4600, 0.1797,
0.0687


 43.3610, 0.2474,
0.1614


 1.3763, 0.1520,
0.0433

 59.9285, 0.2540,
0.1734

 0.1992, 0.1169,
0.0107

 80.2554, 0.2595,
0.1839

 0.0000, 0.0712,
0.0000

 104.7260, 0.2641,
0.1932

 0.0000, 0.0000,
0.0000

 133.7247, 0.2680,

0.2014

167.6360, 0.2714,
0.2088

■ 12.3707, 0.2168,
0.1134

■ 12.3707, 0.2168,
0.1134

■ 9.9290, 0.2034,
0.0957

■ 15.8968, 0.2313,
0.1366

■ 8.4026, 0.1916,
0.0839

■ 20.6332, 0.2461,
0.1639

■ 8.0846, 0.1888,
0.0814

■ 26.6890, 0.2605,
0.1937

■ 34.1601, 0.2740,
0.2245

■ 43.1336, 0.2863,
0.2548

■ 53.6892, 0.2972,
0.2837

■ 65.9008, 0.3066,
0.3106

■ 79.8377, 0.3147,
0.3352

■ 95.5652, 0.3215,
0.3574

Harmonies

Analogous

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



12.3707, 0.1108, 0.0936



12.3707, 0.2168, 0.1134



12.3707, 0.4124, 0.1656

Triad

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



12.3707, 0.2168, 0.1134



12.3707, 0.5790, 0.4210



12.3707, 0.0697, 0.3285

Complementary

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



12.3707, 0.2168, 0.1134



61.1116, 0.3533, 0.5346

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.



12.3707, 0.1463, 0.6415



12.3707, 0.2168, 0.1134



12.3707, 0.4287, 0.5713

Square

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



12.3707, 0.2168, 0.1134



12.3707, 0.6694, 0.3185



12.3707, 0.2762, 0.7238



12.3707, 0.0514, 0.1596

Rectangle

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



12.3707, 0.2168, 0.1134



12.3707, 0.5616, 0.2151



12.3707, 0.2762, 0.7238



12.3707, 0.0873, 0.4263

Sweetspot

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



12.3711, 0.2168, 0.1134



62.3529, 0.2911, 0.2672



28.0685, 0.2001, 0.2158



12.3082, 0.2870, 0.2565



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.



12.3711, 0.2168, 0.1134



11.6895, 0.1959, 0.0877



22.2077, 0.3076, 0.1599



13.5325, 0.3048, 0.3052



4.6811, 0.1904, 0.0823



0.3766, 0.2078, 0.0918

Inverse Universe

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



20.7459, 0.4242, 0.2312



23.9604, 0.4576, 0.2326



55.6627, 0.3049, 0.5692



13.8300, 0.3204, 0.3158



10.1378, 0.4673, 0.2348



0.7206, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 12.3707, 0.2168, 0.1134 looks on a white background.

Color Contrast Check

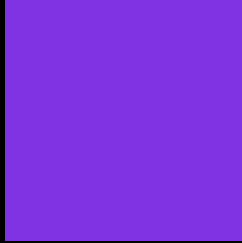
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3707, 0.2168, 0.1134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

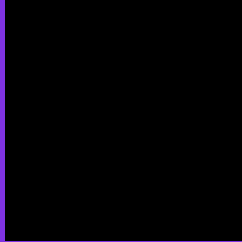
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3707, 0.2168, 0.1134

Background



This preview shows how black text looks on a background with the Yxy color 12.3707, 0.2168, 0.1134.



This preview shows how white text looks on a background with the Yxy color 12.3707, 0.2168, 0.1134.

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

12.3707, 0.2168, 0.1134

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.3245, 0.1854, 0.1873



Tritanopia

12.3520, 0.3032, 0.3133

Trichromacy



Original Color

12.3707, 0.2168, 0.1134



Protanomaly

10.8259, 0.1755, 0.1222



Deuteranomaly

10.5731, 0.1819, 0.1401



Tritanomaly

11.3060, 0.2629, 0.2025

Monochromacy



Original Color

12.3707, 0.2168, 0.1134



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.4659, 0.2662, 0.2056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3707, 0.2168, 0.1134 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(127, 51, 226)` looks like.

```
.text, #text, p{  
  color:rgb(127, 51, 226)  
}
```

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(127, 51, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 51, 226) }
```

Border

The CSS property to change the border of an element to Yxy 12.3707, 0.2168, 0.1134 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(127, 51, 226) }
```

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

```
.border{ border-color:rgb(127, 51, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 51, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 51, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 51, 226);  
box-shadow:4px 4px 4px 4px rgb(127, 51,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3707, 0.2168, 0.1134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 51, 226) }
```

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

```
.background{ background-color: rgb(127, 51,  
226) }
```

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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