

Converting Colors

$Y_{xy}(12.5752, 0.2172, 0.1149)$

Have a look what the booklet for
Yxy(12.5752, 0.2172, 0.1149)
contains.

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Color

Yxy(12.5492, 0.2171, 0.1147)

Conversions

Conversions Part 1

Format	Color
Hex	7F35E2
RGB	127, 53, 226
RGB Percent	50%, 21%, 89%
CMY	0.5019, 0.7922, 0.1138
CMYK	0.44, 0.77, 0.00, 0.11
HSL	266°, 75%, 55%
HSV	266°, 77%, 89%
XYZ	23.7527, 12.5492, 73.1070
YIQ	94.8480, -11.4290, 69.4910

Conversions

Conversions Part 2

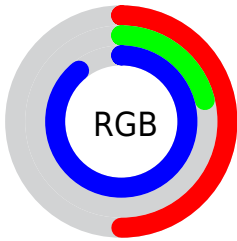
Format	Color
R _Y B	127, 53, 226
Decimal	8336866
CIE Lab	42.08, 64.61, -75.00
CIE LCh	42, 98.994, 310.745
Yxy	12.5492, 0.2171, 0.1147
Android (android.graphics.Color)	4286526946 (0xFF7F35E2)
YUV	94.8480, 64.6579, 28.1973
Hunter-Lab	35.4249, 57.6923, -97.5606

Details

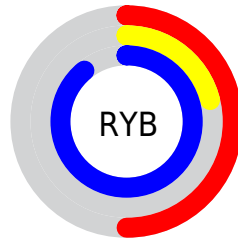
The Yxy color **12.5492, 0.2171, 0.1147** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **61.3098, 0.3541, 0.5325**, and the grayscale version is **11.2512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3002, 0.2579, 0.1666**, and **3.9546, 0.1817, 0.0775** is the 20% darker color. If you saturate the color by 10%, you get **10.0225, 0.2035, 0.0964**, and if you desaturate by 10%, it is **16.1742, 0.2317, 0.1384**.

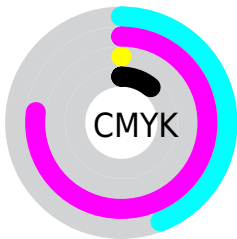
Distribution



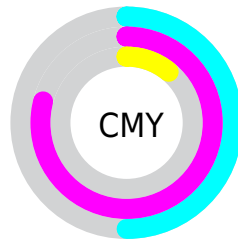
- Red (50%)
- Green (21%)
- Blue (89%)



- Red (50%)
- Yellow (21%)
- Blue (89%)



- Cyan (44%)
- Magenta (77%)
- Yellow (0%)
- Black (11%)




- Cyan (50%)
- Magenta (79%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5492, 0.2171, 0.1147 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 12.5492, 0.2171, 0.1147 by changing the saturation by 10% instead.


 12.5492, 0.2171,
0.1147

 12.5492, 0.2171,
0.1147

208.0080, 0.2743,
0.2161


 7.1189, 0.2011,
0.0937


 30.4915, 0.2395,
0.1488


 3.5366, 0.1802,
0.0700


 43.7722, 0.2475,
0.1625


 1.4179, 0.1527,
0.0445

 60.4386, 0.2541,
0.1745

 0.2298, 0.1176,
0.0123

 80.8749, 0.2595,
0.1849

 0.0000, 0.0721,
0.0000

 105.4656, 0.2641,
0.1942

 0.0000, 0.0000,
0.0000

 134.5951, 0.2680,

0.2023

168.6478, 0.2714,
0.2096

■ 12.5492, 0.2171,
0.1147

■ 12.5492, 0.2171,
0.1147

■ 10.0225, 0.2035,
0.0964

■ 16.1742, 0.2317,
0.1384

■ 8.4356, 0.1916,
0.0842

■ 21.0218, 0.2466,
0.1661

■ 8.0151, 0.1878,
0.0808

■ 27.1998, 0.2612,
0.1961

■ 34.8037, 0.2747,
0.2269

■ 43.9197, 0.2870,
0.2572

■ 54.6273, 0.2979,
0.2860

■ 67.0002, 0.3073,
0.3127

■ 81.1072, 0.3153,
0.3372

■ 96.1305, 0.3223,
0.3578

Harmonies

Analogous

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



12.5492, 0.1119, 0.0951



12.5492, 0.2171, 0.1147



12.5492, 0.4103, 0.1666

Triad

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



12.5492, 0.2171, 0.1147



12.5492, 0.5786, 0.4214



12.5492, 0.0718, 0.3305

Complementary

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



12.5492, 0.2171, 0.1147



61.3098, 0.3541, 0.5325

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.



12.5492, 0.1492, 0.6381



12.5492, 0.2171, 0.1147



12.5492, 0.4303, 0.5697

Square

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



12.5492, 0.2171, 0.1147



12.5492, 0.6664, 0.3194



12.5492, 0.2796, 0.7204



12.5492, 0.0529, 0.1619

Rectangle

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



12.5492, 0.2171, 0.1147



12.5492, 0.5578, 0.2160



12.5492, 0.2796, 0.7204



12.5492, 0.0897, 0.4271

Sweetspot

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



12.5496, 0.2171, 0.1147



62.3006, 0.2909, 0.2672



29.3261, 0.2021, 0.2218



12.2957, 0.2867, 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.



12.5496, 0.2171, 0.1147



11.7846, 0.1961, 0.0883



21.9683, 0.3046, 0.1592



13.5286, 0.3047, 0.3052



4.6404, 0.1895, 0.0817



0.3737, 0.2068, 0.0913

Inverse Universe

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



20.9770, 0.4209, 0.2305



24.1279, 0.4534, 0.2309



55.8467, 0.3061, 0.5665



13.8313, 0.3203, 0.3157



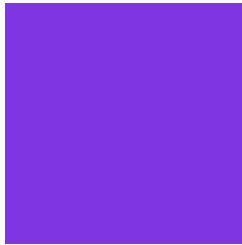
10.1571, 0.4649, 0.2335



0.7219, 0.4367, 0.2179

Previews

White Background



This preview shows how the Yxy color 12.5492, 0.2171, 0.1147 looks on a white background.

Color Contrast Check

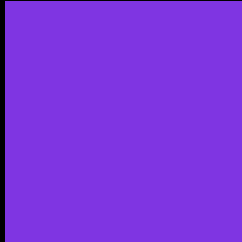
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5492, 0.2171, 0.1147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

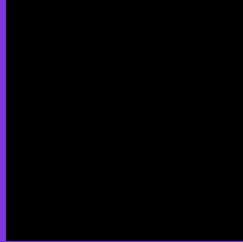
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5492, 0.2171, 0.1147

Background



This preview shows how black text looks on a background with the Yxy color 12.5492, 0.2171, 0.1147.



This preview shows how white text looks on a background with the Yxy color 12.5492, 0.2171, 0.1147.

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

12.5492, 0.2171, 0.1147

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5587, 0.1856, 0.1881



Tritanopia

12.3726, 0.3019, 0.3111

Trichromacy



Original Color

12.5492, 0.2171, 0.1147



Protanomaly

11.0213, 0.1756, 0.1229



Deuteranomaly

10.7717, 0.1820, 0.1408



Tritanomaly

11.4878, 0.2620, 0.2029

Monochromacy



Original Color

12.5492, 0.2171, 0.1147



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.8463, 0.2667, 0.2082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5492, 0.2171, 0.1147 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, 53, 226)` looks like.

```
.text, #text, p{  
  color:rgb(127, 53, 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, 53, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 53, 226) }
```

Border

The CSS property to change the border of an element to Yxy 12.5492, 0.2171, 0.1147 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, 53, 226) }
```

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

```
.border{ border-color:rgb(127, 53, 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, 53, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 53, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 53, 226);  
box-shadow:4px 4px 4px 4px rgb(127, 53,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5492, 0.2171, 0.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 53, 226) }
```

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

```
.background{ background-color: rgb(127, 53,  
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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