

Converting Colors

$Yxy(12.5614, 0.2043, 0.1127)$

Have a look what the booklet for
Yxy(12.5614, 0.2043, 0.1127)
contains.

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Color

Yxy(12.5614, 0.2043, 0.1127)

Conversions

Conversions Part 1

Format	Color
Hex	713DE6
RGB	113, 61, 230
RGB Percent	44%, 24%, 90%
CMY	0.5567, 0.7610, 0.0978
CMYK	0.51, 0.74, 0.00, 0.10
HSL	258°, 77%, 57%
HSV	258°, 74%, 90%
XYZ	22.7710, 12.5614, 76.1263
YIQ	95.8140, -23.2570, 63.5830

Conversions

Conversions Part 2

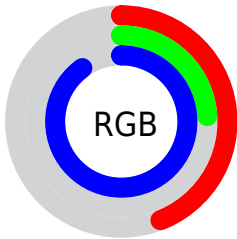
Format	Color
R _Y B	113, 61, 230
Decimal	7421414
CIE Lab	42.09, 60.13, -77.35
CIE LCh	42, 97.971, 307.863
Yxy	12.5614, 0.2043, 0.1127
Android (android.graphics.Color)	4285611494 (0xFF713DE6)
YUV	95.8140, 66.1537, 15.0721
Hunter-Lab	35.4421, 52.6601, -102.5401

Details

The Yxy color **12.5614, 0.2043, 0.1127** 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 **66.4204, 0.3693, 0.5163**, and the grayscale version is **11.4886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0289, 0.2476, 0.1676**, and **3.5526, 0.1653, 0.0684** is the 20% darker color. If you saturate the color by 10%, you get **9.6469, 0.1892, 0.0916**, and if you desaturate by 10%, it is **16.7138, 0.2210, 0.1393**.

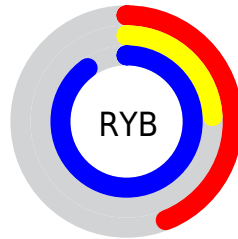
Distribution



Red (44%)

Green (24%)

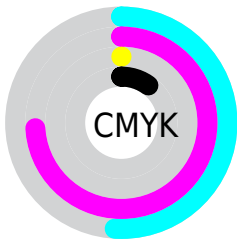
Blue (90%)



Red (44%)

Yellow (24%)

Blue (90%)

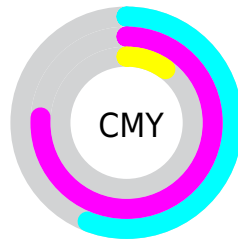


Cyan (51%)

Magenta (74%)

Yellow (0%)

Black (10%)



Cyan (56%)


Magenta (76%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5614, 0.2043, 0.1127 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 12.5614, 0.2043, 0.1127 by changing the saturation by 10% instead.


 12.5614, 0.2043,
0.1127


 12.5614, 0.2043,
0.1127


208.0873, 0.2676,
0.2149


 7.1272, 0.1872,
0.0917


 30.5135, 0.2287,
0.1469


 3.5418, 0.1652,
0.0682


 43.8003, 0.2375,
0.1608


 1.4207, 0.1370,
0.0430

 60.4734, 0.2448,
0.1728

 0.2319, 0.1020,
0.0118

 80.9171, 0.2509,
0.1834

 0.0000, 0.0579,
0.0000

 105.5160, 0.2560,
0.1927

 0.0000, 0.0000,
0.0000

134.6544, 0.2604,

0.2010

168.7167, 0.2643,
0.2083

■ 12.5614, 0.2043,
0.1127

■ 12.5614, 0.2043,
0.1127

■ 9.6469, 0.1892,
0.0916

■ 16.7138, 0.2210,
0.1393

■ 7.8144, 0.1767,
0.0773

■ 22.2321, 0.2382,
0.1697

■ 7.0507, 0.1700,
0.0710

■ 29.2284, 0.2551,
0.2019

■ 37.8031, 0.2710,
0.2342

■ 48.0472, 0.2854,
0.2651

60.0451, 0.2981,
0.2940

73.8749, 0.3092,
0.3204

89.6104, 0.3187,
0.3441

98.4962, 0.3273,
0.3532

Harmonies

Analogous

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



12.5614, 0.1066, 0.0959



12.5614, 0.2043, 0.1127



12.5614, 0.3880, 0.1614

Triad

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



12.5614, 0.2043, 0.1127



12.5614, 0.5895, 0.4105



12.5614, 0.0778, 0.3565

Complementary

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



12.5614, 0.2043, 0.1127



66.4204, 0.3693, 0.5163

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.



12.5614, 0.1620, 0.6577



12.5614, 0.2043, 0.1127



12.5614, 0.4463, 0.5537

Square

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



12.5614, 0.2043, 0.1127



12.5614, 0.6659, 0.3124



12.5614, 0.2943, 0.7057



12.5614, 0.0543, 0.1731

Rectangle

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



12.5614, 0.2043, 0.1127



12.5614, 0.5362, 0.2096



12.5614, 0.2943, 0.7057



12.5614, 0.0981, 0.4569

Sweetspot

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



12.5617, 0.2043, 0.1127



62.6473, 0.2872, 0.2693



39.0763, 0.2128, 0.2567



12.5899, 0.2835, 0.2611



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.



12.5617, 0.2043, 0.1127



10.8728, 0.1826, 0.0836



20.8153, 0.2842, 0.1525



14.1014, 0.3028, 0.3050



4.0463, 0.1714, 0.0718



0.3466, 0.1871, 0.0804

Inverse Universe

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



23.3769, 0.3846, 0.2123



25.7591, 0.4045, 0.2060



59.3804, 0.3154, 0.5533



14.5357, 0.3185, 0.3129



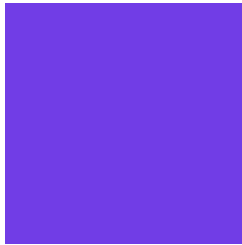
10.9672, 0.4174, 0.2073



0.8269, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 12.5614, 0.2043, 0.1127 looks on a white background.

Color Contrast Check

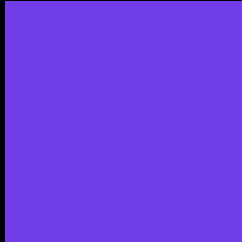
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5614, 0.2043, 0.1127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

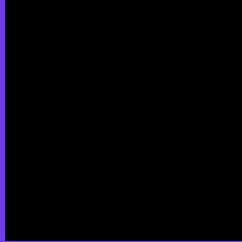
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5614, 0.2043, 0.1127

Background



This preview shows how black text looks on a background with the Yxy color 12.5614, 0.2043, 0.1127.



This preview shows how white text looks on a background with the Yxy color 12.5614, 0.2043, 0.1127.

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

12.5614, 0.2043, 0.1127

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5199, 0.1859, 0.1894



Tritanopia

12.4679, 0.2702, 0.3101

Trichromacy



Original Color

12.5614, 0.2043, 0.1127



Protanomaly

11.4114, 0.1747, 0.1255



Deuteranomaly

11.1828, 0.1810, 0.1439



Tritanomaly

11.5367, 0.2382, 0.2015

Monochromacy



Original Color

12.5614, 0.2043, 0.1127



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.0556, 0.2585, 0.2088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5614, 0.2043, 0.1127 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(113, 61, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 61, 230)  
}
```

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(113, 61, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 61, 230) }
```

Border

The CSS property to change the border of an element to Yxy 12.5614, 0.2043, 0.1127 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(113, 61, 230) }
```

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

```
.border{ border-color:rgb(113, 61, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 61, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 61, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 61, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 61,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5614, 0.2043, 0.1127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 61, 230) }
```

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

```
.background{ background-color: rgb(113, 61,  
230) }
```

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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