

Converting Colors

$Y_{xy}(12.3213, 0.2151, 0.1327)$

Have a look what the booklet for
Yxy(12.3213, 0.2151, 0.1327)
contains.

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Color

Yxy(12.3265, 0.2153, 0.1331)

Conversions

Conversions Part 1

Format	Color
Hex	6E47CF
RGB	110, 71, 207
RGB Percent	43%, 28%, 81%
CMY	0.5688, 0.7214, 0.1883
CMYK	0.47, 0.66, 0.00, 0.19
HSL	257°, 59%, 55%
HSV	257°, 66%, 81%
XYZ	19.9391, 12.3265, 60.3452
YIQ	98.1650, -20.4120, 50.5640

Conversions

Conversions Part 2

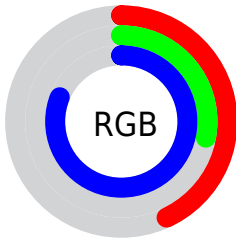
Format	Color
R _Y B	110, 71, 207
Decimal	7227343
CIE Lab	41.73, 48.26, -64.75
CIE LCh	42, 80.751, 306.697
Yxy	12.3265, 0.2153, 0.1331
Android (android.graphics.Color)	4285417423 (0xFF6E47CF)
YUV	98.1650, 53.6557, 10.3793
Hunter-Lab	35.1091, 39.9325, -77.3307

Details

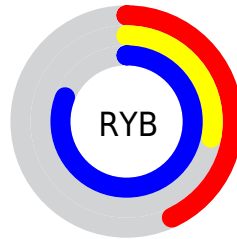
The Yxy color **12.3265, 0.2153, 0.1331** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **53.4017, 0.3695, 0.4982**, and the grayscale version is **12.1262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4639, 0.2439, 0.1746**, and **3.4366, 0.1769, 0.0857** is the 20% darker color. If you saturate the color by 10%, you get **9.2567, 0.1987, 0.1072**, and if you desaturate by 10%, it is **16.4514, 0.2327, 0.1631**.

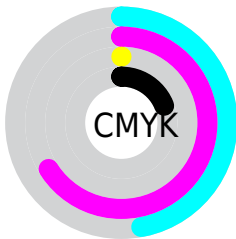
Distribution



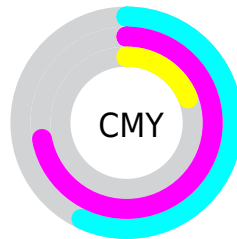
- Red (43%)
- Green (28%)
- Blue (81%)



- Red (43%)
- Yellow (28%)
- Blue (81%)



- Cyan (47%)
- Magenta (66%)
- Yellow (0%)
- Black (19%)




- Cyan (57%)
- Magenta (72%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3265, 0.2153, 0.1331 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 12.3265, 0.2153, 0.1331 by changing the saturation by 10% instead.


 12.3265, 0.2153,
0.1331


 12.3265, 0.2153,
0.1331


206.5550, 0.2732,
0.2309


 6.9664, 0.1987,
0.1111


 30.0884, 0.2382,
0.1674


 3.4411, 0.1768,
0.0853


 43.2590, 0.2463,
0.1807

 1.3661, 0.1474,
0.0561

 59.8019, 0.2529,
0.1922

 0.1916, 0.1096,
0.0142

 80.1015, 0.2584,
0.2021

 0.0000, 0.0454,
0.0000

 104.5423, 0.2630,
0.2107

 0.0000, 0.0000,
0.0000

133.5085, 0.2669,

0.2182

167.3846, 0.2703,
0.2249

■ 12.3265, 0.2153,
0.1331

■ 12.3265, 0.2153,
0.1331

■ 9.2567, 0.1987,
0.1072

■ 16.4514, 0.2327,
0.1631

■ 7.1376, 0.1841,
0.0873

■ 21.7195, 0.2501,
0.1952

■ 5.8436, 0.1722,
0.0741

■ 28.2109, 0.2665,
0.2276

■ 5.4414, 0.1679,
0.0699

■ 35.9977, 0.2816,
0.2589

■ 45.1466, 0.2950,
0.2882

■ 55.7196, 0.3068,
0.3150

■ 67.7748, 0.3169,
0.3391

■ 81.3669, 0.3255,
0.3605

■ 95.0617, 0.3332,
0.3773

Harmonies

Analogous

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



12.3265, 0.1254, 0.1180



12.3265, 0.2153, 0.1331



12.3265, 0.3720, 0.1789

Triad

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



12.3265, 0.2153, 0.1331



12.3265, 0.5773, 0.4227



12.3265, 0.1086, 0.3671

Complementary

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



12.3265, 0.2153, 0.1331



53.4017, 0.3695, 0.4982

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.



12.3265, 0.1969, 0.5989



12.3265, 0.2153, 0.1331



12.3265, 0.4585, 0.5415

Square

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



12.3265, 0.2153, 0.1331



12.3265, 0.6234, 0.3278



12.3265, 0.3235, 0.6499



12.3265, 0.0778, 0.2021

Rectangle

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



12.3265, 0.2153, 0.1331



12.3265, 0.4952, 0.2245



12.3265, 0.3235, 0.6499



12.3265, 0.1313, 0.4471

Sweetspot

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



12.3269, 0.2153, 0.1331



65.4038, 0.2891, 0.2751



34.0206, 0.2217, 0.2698



13.1197, 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.



12.3269, 0.2153, 0.1331



13.2104, 0.1922, 0.0979



18.4236, 0.2860, 0.1658



11.5792, 0.3026, 0.3053



3.4711, 0.1691, 0.0705



0.2346, 0.1892, 0.0816

Inverse Universe

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



20.6026, 0.3695, 0.2172



27.9030, 0.3866, 0.2049



47.8075, 0.3186, 0.5298



11.9489, 0.3181, 0.3126



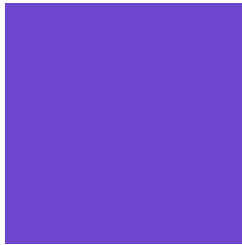
9.7168, 0.4087, 0.2025



0.5566, 0.3890, 0.1916

Previews

White Background



This preview shows how the Yxy color 12.3265, 0.2153, 0.1331 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 12.3265, 0.2153, 0.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

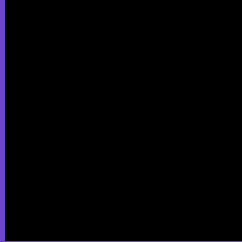
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3265, 0.2153, 0.1331

Background



This preview shows how black text looks on a background with the Yxy color 12.3265, 0.2153, 0.1331.



This preview shows how white text looks on a background with the Yxy color 12.3265, 0.2153, 0.1331.

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

12.3265, 0.2153, 0.1331

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.3634, 0.1850, 0.1861



Tritanopia

12.2963, 0.2794, 0.3103

Trichromacy



Original Color

12.3265, 0.2153, 0.1331



Protanomaly

11.4185, 0.1777, 0.1354



Deuteranomaly

11.3086, 0.1844, 0.1557



Tritanomaly

11.6838, 0.2491, 0.2192

Monochromacy



Original Color

12.3265, 0.2153, 0.1331



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.6392, 0.2670, 0.2292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3265, 0.2153, 0.1331 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(110, 71, 207)` looks like.

```
.text, #text, p{  
    color:rgb(110, 71, 207)  
}
```

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(110, 71, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 71, 207) }
```

Border

The CSS property to change the border of an element to Yxy 12.3265, 0.2153, 0.1331 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(110, 71, 207) }
```

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

```
.border{ border-color:rgb(110, 71, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 71, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 71, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 71, 207); box-shadow:4px 4px 4px 4px rgb(110, 71, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3265, 0.2153, 0.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 71, 207) }
```

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

```
.background{ background-color: rgb(110, 71,  
207) }
```

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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