

Converting Colors

$Y_{xy}(12.4505, 0.2051, 0.1201)$

Have a look what the booklet for
Yxy(12.4505, 0.2051, 0.1201)
contains.

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Color

Yxy(12.4229, 0.2055, 0.1202)

Conversions

Conversions Part 1

Format	Color
Hex	6C43DD
RGB	108, 67, 221
RGB Percent	42%, 26%, 87%
CMY	0.5766, 0.7372, 0.1333
CMYK	0.51, 0.70, 0.00, 0.13
HSL	256°, 69%, 56%
HSV	256°, 70%, 87%
XYZ	21.2388, 12.4229, 69.6902
YIQ	96.8150, -24.9980, 56.5860

Conversions

Conversions Part 2

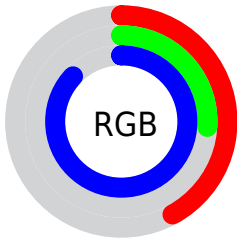
Format	Color
R_{YB}	108, 67, 221
Decimal	7095261
CIE _{Lab}	41.88, 53.93, -72.56
CIE _{LCh}	42, 90.410, 306.619
Yxy	12.4229, 0.2055, 0.1202
Android (android.graphics.Color)	4285285341 (0xFF6C43DD)
YUV	96.8150, 61.2232, 9.8092
Hunter-Lab	35.2461, 45.8808, -92.5585

Details

The Yxy color **12.4229, 0.2055, 0.1202** 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 **61.8351, 0.3735, 0.5052**, and the grayscale version is **11.7586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5017, 0.2434, 0.1705**, and **3.5094, 0.1660, 0.0743** is the 20% darker color. If you saturate the color by 10%, you get **9.3531, 0.1895, 0.0964**, and if you desaturate by 10%, it is **16.6848, 0.2230, 0.1490**.

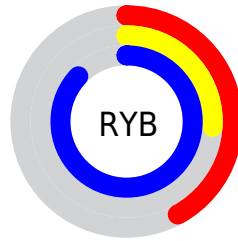
Distribution



Red (42%)

Green (26%)

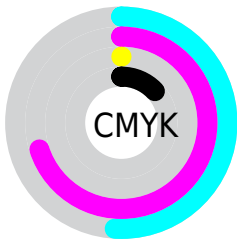
Blue (87%)



Red (42%)

Yellow (26%)

Blue (87%)

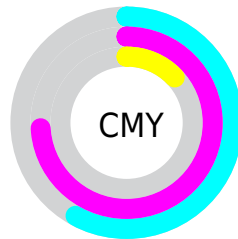


Cyan (51%)

Magenta (70%)

Yellow (0%)

Black (13%)



Cyan (58%)


Magenta (74%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4229, 0.2055, 0.1202 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 12.4229, 0.2055, 0.1202 by changing the saturation by 10% instead.


 12.4229, 0.2055,
0.1202

 12.4229, 0.2055,
0.1202


207.1852, 0.2682,
0.2212


 7.0324, 0.1883,
0.0987


 30.2630, 0.2298,
0.1547


 3.4824, 0.1660,
0.0742


 43.4814, 0.2386,
0.1684


 1.3884, 0.1370,
0.0474

 60.0779, 0.2458,
0.1803

 0.2082, 0.1008,
0.0123

 80.4368, 0.2518,
0.1906

 0.0000, 0.0504,
0.0000

 104.9426, 0.2569,
0.1997

 0.0000, 0.0000,
0.0000

133.9797, 0.2612,

0.2077

167.9325, 0.2650,
0.2148

■ 12.4229, 0.2055,
0.1202

■ 12.4229, 0.2055,
0.1202

■ 9.3531, 0.1895,
0.0964

■ 16.6848, 0.2230,
0.1490

■ 7.3428, 0.1760,
0.0793

■ 22.2497, 0.2409,
0.1808

■ 6.1748, 0.1656,
0.0687

■ 29.2164, 0.2583,
0.2137

■ 6.1430, 0.1653,
0.0684

■ 37.6739, 0.2745,
0.2459

■ 47.7035, 0.2891,
0.2764

■ 59.3807, 0.3019,
0.3045

■ 72.7761, 0.3131,
0.3298

■ 87.9559, 0.3226,
0.3523

■ 97.8097, 0.3321,
0.3622

Harmonies

Analogous

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



12.4229, 0.1126, 0.1048



12.4229, 0.2055, 0.1202



12.4229, 0.3758, 0.1671

Triad

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



12.4229, 0.2055, 0.1202



12.4229, 0.5872, 0.4128



12.4229, 0.0918, 0.3682

Complementary

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



12.4229, 0.2055, 0.1202



61.8351, 0.3735, 0.5052

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.



12.4229, 0.1801, 0.6375



12.4229, 0.2055, 0.1202



12.4229, 0.4554, 0.5446

Square

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



12.4229, 0.2055, 0.1202



12.4229, 0.6490, 0.3174



12.4229, 0.3140, 0.6860



12.4229, 0.0637, 0.1880

Rectangle

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



12.4229, 0.2055, 0.1202



12.4229, 0.5136, 0.2140



12.4229, 0.3140, 0.6860



12.4229, 0.1138, 0.4607

Sweetspot

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



12.4232, 0.2055, 0.1202



63.7543, 0.2870, 0.2720



40.0809, 0.2195, 0.2732



12.7918, 0.2830, 0.2636



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.



12.4232, 0.2055, 0.1202



11.3741, 0.1823, 0.0870



19.2455, 0.2779, 0.1552



12.7837, 0.3022, 0.3051



3.6156, 0.1666, 0.0691



0.2761, 0.1837, 0.0785

Inverse Universe

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



22.6889, 0.3702, 0.2096



26.9122, 0.3867, 0.1993



55.1574, 0.3207, 0.5400



13.2127, 0.3178, 0.3120



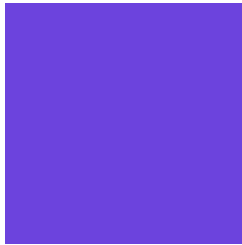
10.4703, 0.4015, 0.1986



0.6923, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 12.4229, 0.2055, 0.1202 looks on a white background.

Color Contrast Check

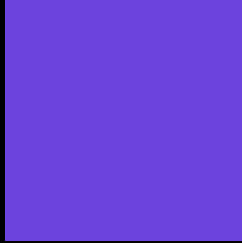
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4229, 0.2055, 0.1202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

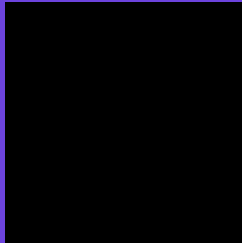
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4229, 0.2055, 0.1202

Background



This preview shows how black text looks on a background with the Yxy color 12.4229, 0.2055, 0.1202.



This preview shows how white text looks on a background with the Yxy color 12.4229, 0.2055, 0.1202.

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

12.4229, 0.2055, 0.1202

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.3245, 0.1854, 0.1873



Tritanopia

12.3440, 0.2667, 0.3099

Trichromacy



Original Color

12.4229, 0.2055, 0.1202

Protanomaly

11.4824, 0.1757, 0.1304

Deuteranomaly

11.2938, 0.1823, 0.1502

Tritanomaly

11.5729, 0.2371, 0.2083

Monochromacy



Original Color

12.4229, 0.2055, 0.1202

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.3753, 0.2610, 0.2187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4229, 0.2055, 0.1202 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(108, 67, 221)` looks like.

```
.text, #text, p{  
    color:rgb(108, 67, 221)  
}
```

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(108, 67, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 67, 221) }
```

Border

The CSS property to change the border of an element to Yxy 12.4229, 0.2055, 0.1202 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(108, 67, 221) }
```

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

```
.border{ border-color:rgb(108, 67, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 67, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 67, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 67, 221);  
box-shadow:4px 4px 4px 4px rgb(108, 67,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4229, 0.2055, 0.1202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 67, 221) }
```

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

```
.background{ background-color: rgb(108, 67,  
221) }
```

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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