

Converting Colors

$Y_{xy}(12.4542, 0.2292, 0.1428)$

Have a look what the booklet for
Yxy(12.4542, 0.2292, 0.1428)
contains.

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Color

Yxy(12.5056, 0.2296, 0.1432)

Conversions

Conversions Part 1

Format	Color
Hex	7747C6
RGB	119, 71, 198
RGB Percent	47%, 28%, 78%
CMY	0.5334, 0.7215, 0.2236
CMYK	0.40, 0.64, 0.00, 0.22
HSL	263°, 53%, 53%
HSV	263°, 64%, 78%
XYZ	20.0509, 12.5056, 54.7731
YIQ	99.8300, -12.1590, 49.6730

Conversions

Conversions Part 2

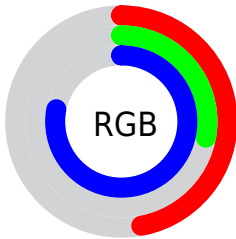
Format	Color
R _{YB}	119, 71, 198
Decimal	7817158
CIE _{Lab}	42.01, 47.61, -59.05
CIE _{LCh}	42, 75.850, 308.879
Yxy	12.5056, 0.2296, 0.1432
Android (android.graphics.Color)	4286007238 (0xFF7747C6)
YUV	99.8300, 48.3978, 16.8121
Hunter-Lab	35.3633, 39.3233, -67.0783

Details

The Yxy color **12.5056, 0.2296, 0.1432** 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 **47.3211, 0.3587, 0.5005**, and the grayscale version is **12.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3692, 0.2502, 0.1771**, and **3.5436, 0.1947, 0.0957** is the 20% darker color. If you saturate the color by 10%, you get **9.5685, 0.2141, 0.1177**, and if you desaturate by 10%, it is **16.3766, 0.2454, 0.1723**.

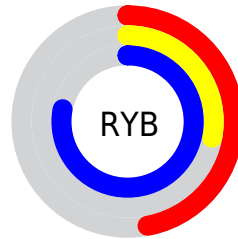
Distribution



Red (47%)

Green (28%)

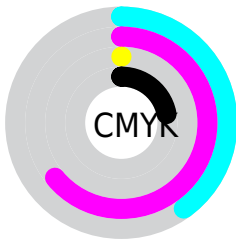
Blue (78%)



Red (47%)

Yellow (28%)

Blue (78%)

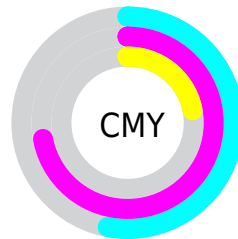


Cyan (40%)

Magenta (64%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (72%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5056, 0.2296, 0.1432 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 12.5056, 0.2296, 0.1432 by changing the saturation by 10% instead.

12.5056, 0.2296,
0.1432

12.5056, 0.2296,
0.1432

207.7244, 0.2800,
0.2374

7.0890, 0.2145,
0.1213

30.4127, 0.2499,
0.1767

3.5178, 0.1942,
0.0950

43.6719, 0.2570,
0.1896

1.4077, 0.1659,
0.0644

60.3142, 0.2627,
0.2006

0.2224, 0.1280,
0.0191

80.7238, 0.2674,
0.2101

0.0000, 0.0575,
0.0000

105.2853, 0.2713,
0.2183

0.0000, 0.0000,
0.0000

134.3829, 0.2747,

0.2254

168.4011, 0.2775,
0.2318

■ 12.5056, 0.2296,
0.1432

■ 12.5056, 0.2296,
0.1432

■ 9.5685, 0.2141,
0.1177

■ 16.3766, 0.2454,
0.1723

■ 7.4768, 0.1996,
0.0973

■ 21.2564, 0.2607,
0.2032

■ 6.1257, 0.1870,
0.0830

■ 27.2134, 0.2749,
0.2343

■ 5.5644, 0.1805,
0.0768

■ 34.3094, 0.2878,
0.2645

■ 42.6016, 0.2992,
0.2929

■ 52.1432, 0.3091,
0.3189

■ 62.9842, 0.3175,
0.3426

■ 75.1717, 0.3247,
0.3638

■ 88.7505, 0.3307,
0.3826

Harmonies

Analogous

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



12.5056, 0.1377, 0.1263



12.5056, 0.2296, 0.1432



12.5056, 0.3820, 0.1903

Triad

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



12.5056, 0.2296, 0.1432



12.5056, 0.5624, 0.4335



12.5056, 0.1148, 0.3516

Complementary

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



12.5056, 0.2296, 0.1432



47.3211, 0.3587, 0.5005

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.



12.5056, 0.1981, 0.5655



12.5056, 0.2296, 0.1432



12.5056, 0.4515, 0.5485

Square

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



12.5056, 0.2296, 0.1432



12.5056, 0.6082, 0.3388



12.5056, 0.3194, 0.6332



12.5056, 0.0860, 0.2030

Rectangle

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



12.5056, 0.2296, 0.1432



12.5056, 0.4960, 0.2357



12.5056, 0.3194, 0.6332



12.5056, 0.1361, 0.4233

Sweetspot

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



12.5060, 0.2296, 0.1432



67.6123, 0.2935, 0.2785



27.6882, 0.2193, 0.2538



13.5809, 0.2902, 0.2702



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.



12.5060, 0.2296, 0.1432



15.2853, 0.2081, 0.1088



18.4153, 0.2995, 0.1750



10.4795, 0.3041, 0.3055



3.6647, 0.1819, 0.0775



0.2149, 0.2062, 0.0909

Inverse Universe

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



18.7145, 0.3852, 0.2322



27.6806, 0.4087, 0.2214



42.9080, 0.3123, 0.5286



10.7460, 0.3194, 0.3147



8.7578, 0.4436, 0.2217



0.4284, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 12.5056, 0.2296, 0.1432 looks on a white background.

Color Contrast Check

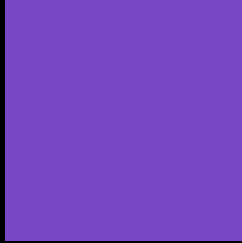
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5056, 0.2296, 0.1432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

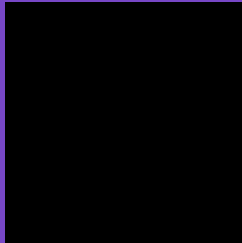
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5056, 0.2296, 0.1432

Background



This preview shows how black text looks on a background with the Yxy color 12.5056, 0.2296, 0.1432.



This preview shows how white text looks on a background with the Yxy color 12.5056, 0.2296, 0.1432.

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

12.5056, 0.2296, 0.1432

Protanopia

12.6775, 0.1744, 0.1478

Deuteranopia

12.4817, 0.1840, 0.1824



Tritanopia

12.3726, 0.3019, 0.3111

Trichromacy



Original Color

12.5056, 0.2296, 0.1432



Protanomaly

11.5470, 0.1797, 0.1388



Deuteranomaly

11.3287, 0.1859, 0.1571



Tritanomaly

11.9077, 0.2711, 0.2291

Monochromacy



Original Color

12.5056, 0.2296, 0.1432



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0481, 0.2761, 0.2362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5056, 0.2296, 0.1432 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(119, 71, 198)` looks like.

```
.text, #text, p{  
    color:rgb(119, 71, 198)  
}
```

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(119, 71, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 71, 198) }
```

Border

The CSS property to change the border of an element to Yxy 12.5056, 0.2296, 0.1432 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(119, 71, 198) }
```

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

```
.border{ border-color:rgb(119, 71, 198) }
```

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

Here you see how a box with a 4 pixel rgb(119, 71, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 71, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 71, 198);  
box-shadow:4px 4px 4px 4px rgb(119, 71,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5056, 0.2296, 0.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 71, 198) }
```

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

```
.background{ background-color: rgb(119, 71,  
198) }
```

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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