

Converting Colors

$Y_{xy}(12.2980, 0.1969, 0.0960)$

Have a look what the booklet for
Yxy(12.2980, 0.1969, 0.0960)
contains.

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Color

Yxy(12.3492, 0.1972, 0.0962)

Conversions

Conversions Part 1

Format	Color
Hex	752BF9
RGB	117, 43, 249
RGB Percent	46%, 17%, 98%
CMY	0.5407, 0.8319, 0.0234
CMYK	0.53, 0.83, 0.00, 0.02
HSL	262°, 95%, 57%
HSV	262°, 83%, 98%
XYZ	25.3146, 12.3492, 90.7063
YIQ	88.6100, -22.0220, 79.7540

Conversions

Conversions Part 2

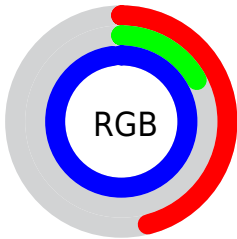
Format	Color
R _{YB}	117, 43, 249
Decimal	7678969
CIE _{Lab}	41.77, 72.71, -88.59
CIE _{LCh}	42, 114.606, 309.376
Y _{xy}	12.3492, 0.1972, 0.0962
Android (android.graphics.Color)	4285869049 (0xFF752BF9)
Y _{UV}	88.6100, 79.0723, 24.8980
Hunter-Lab	35.1414, 67.0873, -128.4391

Details

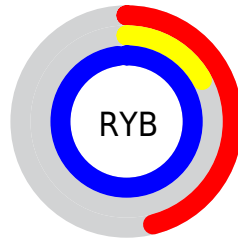
The Yxy color **12.3492, 0.1972, 0.0962** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **77.0409, 0.3623, 0.5372**, and the grayscale version is **9.7165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1581, 0.2521, 0.1583**, and **4.2330, 0.1609, 0.0660** is the 20% darker color. If you saturate the color by 10%, you get **10.0502, 0.1844, 0.0816**, and if you desaturate by 10%, it is **15.9385, 0.2121, 0.1172**.

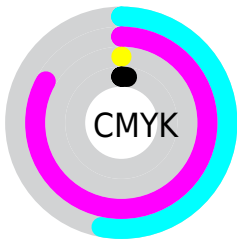
Distribution



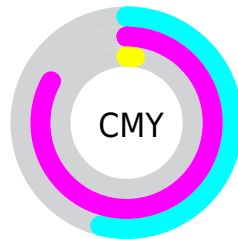
- Red (46%)
- Green (17%)
- Blue (98%)



- Red (46%)
- Yellow (17%)
- Blue (98%)



- Cyan (53%)
- Magenta (83%)
- Yellow (0%)
- Black (2%)




- Cyan (54%)
- Magenta (83%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3492, 0.1972, 0.0962 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 12.3492, 0.1972, 0.0962 by changing the saturation by 10% instead.


 12.3492, 0.1972,
0.0962


 12.3492, 0.1972,
0.0962


206.7036, 0.2640,
0.2008

 6.9820, 0.1799,
0.0764


 30.1295, 0.2224,
0.1299


 3.4508, 0.1581,
0.0549


 43.3114, 0.2317,
0.1439


 1.3714, 0.1309,
0.0331

 59.8670, 0.2395,
0.1563

 0.1955, 0.0981,
0.0076

 80.1806, 0.2460,
0.1673

 0.0000, 0.0593,
0.0000

 104.6366, 0.2515,
0.1771

 0.0000, 0.0000,
0.0000

 133.6196, 0.2563,

0.1859

167.5138, 0.2604,
0.1937

■ 12.3492, 0.1972,
0.0962

■ 12.3492, 0.1972,
0.0962

■ 10.0502, 0.1844,
0.0816

■ 15.9385, 0.2121,
0.1172

■ 9.0001, 0.1766,
0.0747

■ 21.0009, 0.2281,
0.1435

■ 27.6894, 0.2445,
0.1734

■ 36.1368, 0.2603,
0.2051

■ 46.4618, 0.2750,
0.2368

■ 58.7725, 0.2883,
0.2674

■ 73.1686, 0.3000,
0.2960

■ 89.7430, 0.3102,
0.3222

■ 99.6222, 0.3162,
0.3347

Harmonies

Analogous

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



12.3492, 0.0924, 0.0782



12.3492, 0.1972, 0.0962



12.3492, 0.4090, 0.1469

Triad

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



12.3492, 0.1972, 0.0962



12.3492, 0.5987, 0.4013



12.3492, 0.0519, 0.3358

Complementary

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



12.3492, 0.1972, 0.0962



77.0409, 0.3623, 0.5372

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.



12.3492, 0.1248, 0.7121



12.3492, 0.1972, 0.0962



12.3492, 0.4293, 0.5707

Square

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



12.3492, 0.1972, 0.0962



12.3492, 0.7032, 0.2968



12.3492, 0.2522, 0.7478



12.3492, 0.0369, 0.1451

Rectangle

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



12.3492, 0.1972, 0.0962



12.3492, 0.5815, 0.1965



12.3492, 0.2522, 0.7478



12.3492, 0.0680, 0.4550

Sweetspot

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



12.3495, 0.1972, 0.0962



58.9182, 0.2855, 0.2607



38.7493, 0.2013, 0.2308



11.6168, 0.2809, 0.2500



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.



12.3495, 0.1972, 0.0962



9.6267, 0.1775, 0.0755



23.4831, 0.2894, 0.1449



16.9472, 0.3035, 0.3049



4.8884, 0.1782, 0.0755



0.5101, 0.1912, 0.0827

Inverse Universe

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



24.9522, 0.4131, 0.2163



23.9989, 0.4392, 0.2197



69.3984, 0.3088, 0.5772



17.4122, 0.3193, 0.3139



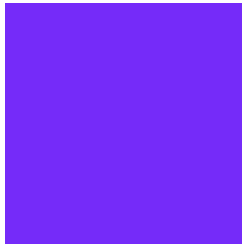
12.1547, 0.4381, 0.2187



1.1460, 0.4204, 0.2089

Previews

White Background



This preview shows how the Yxy color 12.3492, 0.1972, 0.0962 looks on a white background.

Color Contrast Check

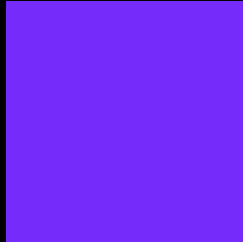
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3492, 0.1972, 0.0962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

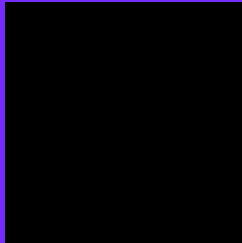
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3492, 0.1972, 0.0962

Background



This preview shows how black text looks on a background with the Yxy color 12.3492, 0.1972, 0.0962.



This preview shows how white text looks on a background with the Yxy color 12.3492, 0.1972, 0.0962.

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

12.3492, 0.1972, 0.0962

Protanopia

12.3079, 0.1749, 0.1494

Deuteranopia

12.2476, 0.1861, 0.1899



Tritanopia

12.2647, 0.2644, 0.3098

Trichromacy



Original Color

12.3492, 0.1972, 0.0962



Protanomaly

10.6922, 0.1720, 0.1142



Deuteranomaly

10.3744, 0.1775, 0.1299



Tritanomaly

10.5819, 0.2282, 0.1790

Monochromacy



Original Color

12.3492, 0.1972, 0.0962



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.3940, 0.2502, 0.1847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3492, 0.1972, 0.0962 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(117, 43, 249)` looks like.

```
.text, #text, p{  
    color:rgb(117, 43, 249)  
}
```

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(117, 43, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 43, 249) }
```

Border

The CSS property to change the border of an element to Yxy 12.3492, 0.1972, 0.0962 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(117, 43, 249) }
```

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

```
.border{ border-color:rgb(117, 43, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 43, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 43, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 43, 249);  
box-shadow:4px 4px 4px 4px rgb(117, 43,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3492, 0.1972, 0.0962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 43, 249) }
```

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

```
.background{ background-color: rgb(117, 43,  
249) }
```

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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