

Converting Colors

$Y_{xy}(12.4376, 0.2039, 0.1110)$

Have a look what the booklet for
Yxy(12.4376, 0.2039, 0.1110)
contains.

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Color

Yxy(12.4082, 0.2036, 0.1108)

Conversions

Conversions Part 1

Format	Color
Hex	713BE7
RGB	113, 59, 231
RGB Percent	44%, 23%, 91%
CMY	0.5566, 0.7687, 0.0942
CMYK	0.51, 0.74, 0.00, 0.09
HSL	259°, 78%, 57%
HSV	259°, 74%, 91%
XYZ	22.8006, 12.4082, 76.7785
YIQ	94.7540, -23.0280, 64.9400

Conversions

Conversions Part 2

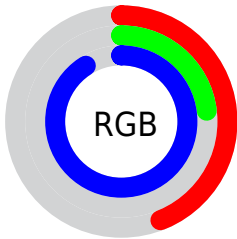
Format	Color
R_{YB}	113, 59, 231
Decimal	7420903
CIE _{Lab}	41.86, 61.29, -78.26
CIE _{LCh}	42, 99.403, 308.066
Yxy	12.4082, 0.2036, 0.1108
Android (android.graphics.Color)	4285610983 (0xFF713BE7)
YUV	94.7540, 67.1693, 16.0017
Hunter-Lab	35.2253, 53.8953, -104.5734

Details

The Yxy color **12.4082, 0.2036, 0.1108** 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 **66.7902, 0.3686, 0.5186**, and the grayscale version is **11.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8070, 0.2474, 0.1666**, and **3.5696, 0.1645, 0.0680** is the 20% darker color. If you saturate the color by 10%, you get **9.5765, 0.1888, 0.0904**, and if you desaturate by 10%, it is **16.4730, 0.2201, 0.1369**.

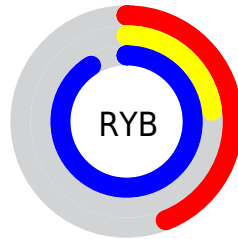
Distribution



Red (44%)

Green (23%)

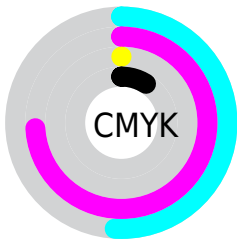
Blue (91%)



Red (44%)

Yellow (23%)

Blue (91%)

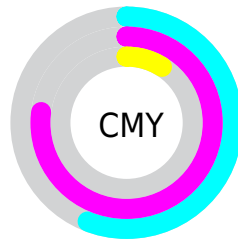


Cyan (51%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (56%)


Magenta (77%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4082, 0.2036, 0.1108 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 12.4082, 0.2036, 0.1108 by changing the saturation by 10% instead.


 12.4082, 0.2036,
0.1108

 12.4082, 0.2036,
0.1108


 207.0893, 0.2673,
0.2135


 7.0223, 0.1864,
0.0899


 30.2364, 0.2281,
0.1451


 3.4761, 0.1644,
0.0664


 43.4475, 0.2370,
0.1590


 1.3850, 0.1361,
0.0415

 60.0358, 0.2444,
0.1711

 0.2057, 0.1012,
0.0104

 80.3858, 0.2505,
0.1818

 0.0000, 0.0572,
0.0000

 104.8817, 0.2557,
0.1912

 0.0000, 0.0000,
0.0000

 133.9079, 0.2602,

0.1995

167.8490, 0.2640,
0.2069

■ 12.4082, 0.2036,
0.1108

■ 12.4082, 0.2036,
0.1108

■ 9.5765, 0.1888,
0.0904

■ 16.4730, 0.2201,
0.1369

■ 7.8172, 0.1764,
0.0767

■ 21.9018, 0.2372,
0.1669

■ 7.1703, 0.1708,
0.0714

■ 28.8091, 0.2540,
0.1990

■ 37.2969, 0.2699,
0.2312

■ 47.4579, 0.2843,
0.2623

■ 59.3773, 0.2971,
0.2914

■ 73.1348, 0.3083,
0.3180

■ 88.8047, 0.3178,
0.3419

■ 98.5483, 0.3268,
0.3523

Harmonies

Analogous

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



12.4082, 0.1050, 0.0938



12.4082, 0.2036, 0.1108



12.4082, 0.3904, 0.1598

Triad

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



12.4082, 0.2036, 0.1108



12.4082, 0.5904, 0.4096



12.4082, 0.0747, 0.3542

Complementary

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



12.4082, 0.2036, 0.1108



66.7902, 0.3686, 0.5186

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.



12.4082, 0.1579, 0.6634



12.4082, 0.2036, 0.1108



12.4082, 0.4444, 0.5556

Square

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



12.4082, 0.2036, 0.1108



12.4082, 0.6701, 0.3109



12.4082, 0.2897, 0.7103



12.4082, 0.0522, 0.1698

Rectangle

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



12.4082, 0.2036, 0.1108



12.4082, 0.5413, 0.2083



12.4082, 0.2897, 0.7103



12.4082, 0.0945, 0.4567

Sweetspot

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



12.4085, 0.2036, 0.1108



62.7022, 0.2875, 0.2693



39.0893, 0.2120, 0.2556



12.6027, 0.2838, 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.



12.4085, 0.2036, 0.1108



10.7288, 0.1822, 0.0826



20.7073, 0.2836, 0.1510



14.1059, 0.3029, 0.3050



4.0789, 0.1722, 0.0722



0.3495, 0.1880, 0.0809

Inverse Universe

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



23.2810, 0.3875, 0.2126



25.5384, 0.4079, 0.2072



59.8023, 0.3151, 0.5558



14.5340, 0.3186, 0.3130



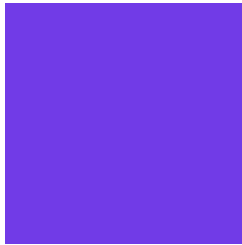
10.9386, 0.4198, 0.2086



0.8249, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 12.4082, 0.2036, 0.1108 looks on a white background.

Color Contrast Check

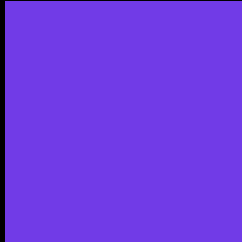
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4082, 0.2036, 0.1108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

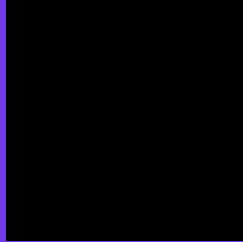
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4082, 0.2036, 0.1108

Background



This preview shows how black text looks on a background with the Yxy color 12.4082, 0.2036, 0.1108.



This preview shows how white text looks on a background with the Yxy color 12.4082, 0.2036, 0.1108.

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

12.4082, 0.2036, 0.1108

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2859, 0.1857, 0.1886



Tritanopia

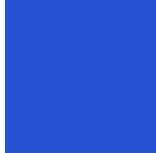
12.4260, 0.2690, 0.3101

Trichromacy



Original Color

12.4082, 0.2036, 0.1108



Protanomaly

11.2092, 0.1746, 0.1247



Deuteranomaly

10.9772, 0.1808, 0.1431



Tritanomaly

11.3566, 0.2360, 0.1979

Monochromacy



Original Color

12.4082, 0.2036, 0.1108



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.8730, 0.2593, 0.2084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4082, 0.2036, 0.1108 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, 59, 231)` looks like.

```
.text, #text, p{  
    color:rgb(113, 59, 231)  
}
```

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, 59, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 59, 231) }
```

Border

The CSS property to change the border of an element to Yxy 12.4082, 0.2036, 0.1108 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, 59, 231) }
```

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

```
.border{ border-color:rgb(113, 59, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 59, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 59, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 59, 231);  
box-shadow:4px 4px 4px 4px rgb(113, 59,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4082, 0.2036, 0.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 59, 231) }
```

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

```
.background{ background-color: rgb(113, 59,  
231) }
```

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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