

Converting Colors

$Y_{xy}(11.1211, 0.2497, 0.1476)$

Have a look what the booklet for
Yxy(11.1211, 0.2497, 0.1476)
contains.

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Color

Yxy(11.1211, 0.2497, 0.1476)

Conversions

Conversions Part 1

Format	Color
Hex	7F3CB6
RGB	127, 60, 182
RGB Percent	50%, 24%, 71%
CMY	0.5019, 0.7648, 0.2863
CMYK	0.30, 0.67, 0.00, 0.29
HSL	273°, 50%, 47%
HSV	273°, 67%, 71%
XYZ	18.8139, 11.1211, 45.4112
YIQ	93.9410, 0.7700, 52.1460

Conversions

Conversions Part 2

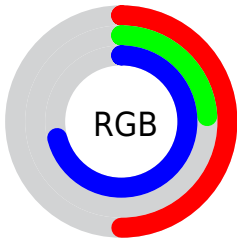
Format	Color
RYB	127, 60, 182
Decimal	8338614
CIELab	39.78, 50.95, -53.25
CIELCh	40, 73.697, 313.736
Yxy	11.1211, 0.2497, 0.1476
Android (android.graphics.Color)	4286528694 (0xFF7F3CB6)
YUV	93.9410, 43.4131, 28.9927
Hunter-Lab	33.3483, 42.3439, -57.3927

Details

The Yxy color **11.1211, 0.2497, 0.1476** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **37.4248, 0.3407, 0.5181**, and the grayscale version is **11.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8876, 0.2662, 0.1815**, and **2.9362, 0.2179, 0.0974** is the 20% darker color. If you saturate the color by 10%, you get **8.9276, 0.2377, 0.1260**, and if you desaturate by 10%, it is **14.0222, 0.2616, 0.1730**.

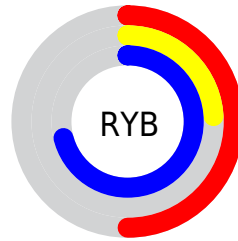
Distribution



Red (50%)

Green (24%)

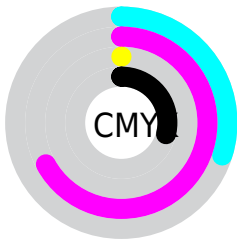
Blue (71%)



Red (50%)

Yellow (24%)

Blue (71%)

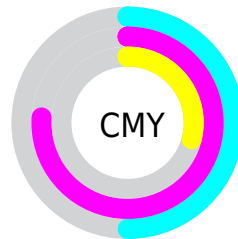


Cyan (30%)

Magenta (67%)

Yellow (0%)

Black (29%)



Cyan (50%)


Magenta (76%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.1211, 0.2497, 0.1476 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 11.1211, 0.2497, 0.1476 by changing the saturation by 10% instead.


 11.1211, 0.2497,
0.1476


 11.1211, 0.2497,
0.1476


 198.4965, 0.2902,
0.2416


 6.1483, 0.2365,
0.1249


 27.8839, 0.2667,
0.1817


 2.9355, 0.2177,
0.0973


 40.4427, 0.2724,
0.1946

 1.0981, 0.1901,
0.0645

 56.2990, 0.2769,
0.2055

 0.0000, 0.1530,
0.0000

 75.8372, 0.2806,
0.2149

 0.0000, 0.0468,
0.0000

 99.4416, 0.2836,
0.2229

 0.0000, 0.0000,
0.0000

 127.4967, 0.2862,

0.2300

160.3869, 0.2883,
0.2362

■ 11.1211, 0.2497,
0.1476

■ 11.1211, 0.2497,
0.1476

■ 8.9276, 0.2377,
0.1260

■ 14.0222, 0.2616,
0.1730

■ 7.3687, 0.2262,
0.1091

■ 17.6915, 0.2730,
0.2007

■ 6.3437, 0.2155,
0.0974

■ 22.1842, 0.2835,
0.2294

■ 6.0863, 0.2124,
0.0944

■ 27.5499, 0.2929,
0.2581

■ 33.8342, 0.3012,
0.2858

■ 41.0797, 0.3083,
0.3118

■ 49.3259, 0.3144,
0.3359

■ 58.6104, 0.3195,
0.3580

■ 68.9685, 0.3237,
0.3779

Harmonies

Analogous

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



11.1211, 0.1476, 0.1257



11.1211, 0.2497, 0.1476



11.1211, 0.4112, 0.1995

Triad

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



11.1211, 0.2497, 0.1476



11.1211, 0.5489, 0.4511



11.1211, 0.1053, 0.3198

Complementary

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



11.1211, 0.2497, 0.1476



37.4248, 0.3407, 0.5181

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.



11.1211, 0.1795, 0.5372



11.1211, 0.2497, 0.1476



11.1211, 0.4311, 0.5689

Square

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



11.1211, 0.2497, 0.1476



11.1211, 0.6088, 0.3515



11.1211, 0.2978, 0.6402



11.1211, 0.0839, 0.1870

Rectangle

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



11.1211, 0.2497, 0.1476



11.1211, 0.5226, 0.2469



11.1211, 0.2978, 0.6402



11.1211, 0.1233, 0.3879

Sweetspot

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



11.1215, 0.2497, 0.1476



57.3941, 0.2986, 0.2768



17.0432, 0.2073, 0.2121



11.9682, 0.2963, 0.2690



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.1215, 0.2497, 0.1476



14.8338, 0.2327, 0.1181



16.3872, 0.3250, 0.1840



8.9561, 0.3068, 0.3060



4.3380, 0.2135, 0.0950



0.1891, 0.2407, 0.1100

Inverse Universe

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



14.4125, 0.4275, 0.2567



21.7891, 0.4664, 0.2526



34.7872, 0.3010, 0.5364



9.0777, 0.3219, 0.3187



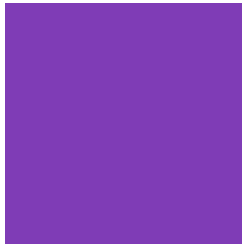
7.4664, 0.5138, 0.2604



0.2757, 0.4516, 0.2261

Previews

White Background



This preview shows how the Yxy color 11.1211, 0.2497, 0.1476 looks on a white background.

Color Contrast Check

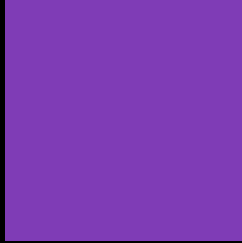
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.1211, 0.2497, 0.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

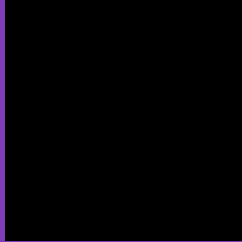
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1211, 0.2497, 0.1476

Background



This preview shows how black text looks on a background with the Yxy color 11.1211, 0.2497, 0.1476.



This preview shows how white text looks on a background with the Yxy color 11.1211, 0.2497, 0.1476.

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

11.1211, 0.2497, 0.1476

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.2303, 0.1839, 0.1821



Tritanopia

11.1671, 0.3414, 0.3160

Trichromacy



Original Color

11.1211, 0.2497, 0.1476



Protanomaly

9.9490, 0.1820, 0.1385



Deuteranomaly

9.8233, 0.1883, 0.1559



Tritanomaly

10.7370, 0.3029, 0.2352

Monochromacy



Original Color

11.1211, 0.2497, 0.1476



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.6051, 0.2863, 0.2386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1211, 0.2497, 0.1476 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(127, 60, 182)` looks like.

```
.text, #text, p{  
    color:rgb(127, 60, 182)  
}
```

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(127, 60, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 60, 182) }
```

Border

The CSS property to change the border of an element to Yxy 11.1211, 0.2497, 0.1476 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(127, 60, 182) }
```

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

```
.border{ border-color:rgb(127, 60, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 60, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 60, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 60, 182);  
box-shadow:4px 4px 4px 4px rgb(127, 60,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1211, 0.2497, 0.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 60, 182) }
```

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

```
.background{ background-color: rgb(127, 60,  
182) }
```

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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