

Converting Colors

$Y_{xy}(12.1528, 0.2446, 0.1545)$

Have a look what the booklet for
Yxy(12.1528, 0.2446, 0.1545)
contains.

Yxy(12.1682, 0.2448, 0.1547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1682, 0.2448, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	7C46B9
RGB	124, 70, 185
RGB Percent	49%, 27%, 73%
CMY	0.5139, 0.7254, 0.2745
CMYK	0.33, 0.62, 0.00, 0.27
HSL	268°, 45%, 50%
HSV	268°, 62%, 73%
XYZ	19.2552, 12.1682, 47.2334
YIQ	99.2560, -4.7310, 47.2130

Conversions

Conversions Part 2

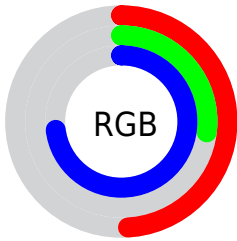
Format	Color
R_{YB}	124, 70, 185
Decimal	8144569
CIE _{Lab}	41.48, 45.89, -52.29
CIE _{LCh}	41, 69.572, 311.268
Yxy	12.1682, 0.2448, 0.1547
Android (android.graphics.Color)	4286334649 (0xFF7C46B9)
YUV	99.2560, 42.2718, 21.7005
Hunter-Lab	34.8829, 37.4858, -55.8638

Details

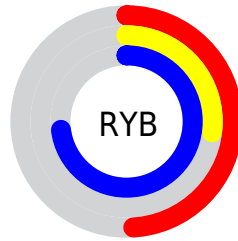
The Yxy color **12.1682, 0.2448, 0.1547** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **39.9714, 0.3485, 0.5006**, and the grayscale version is **12.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7888, 0.2621, 0.1873**, and **3.3696, 0.2125, 0.1056** is the 20% darker color. If you saturate the color by 10%, you get **9.5036, 0.2310, 0.1297**, and if you desaturate by 10%, it is **15.6195, 0.2585, 0.1828**.

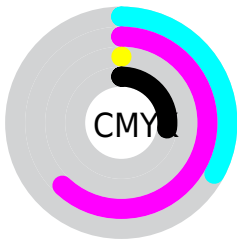
Distribution



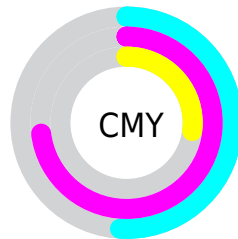
- Red (49%)
- Green (27%)
- Blue (73%)



- Red (49%)
- Yellow (27%)
- Blue (73%)



- Cyan (33%)
- Magenta (62%)
- Yellow (0%)
- Black (27%)





- Cyan (51%)
- Magenta (73%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1682, 0.2448, 0.1547 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 12.1682, 0.2448, 0.1547 by changing the saturation by 10% instead.


 12.1682, 0.2448,
0.1547


 12.1682, 0.2448,
0.1547


205.5157, 0.2872,
0.2451

 6.8583, 0.2314,
0.1327


 29.8011, 0.2623,
0.1876

 3.3737, 0.2127,
0.1057


 42.8929, 0.2682,
0.2000

 1.3298, 0.1856,
0.0731


 59.3475, 0.2730,
0.2105

 0.1641, 0.1482,
0.0179

 79.5492, 0.2769,
0.2194

 0.0000, 0.0561,
0.0000

 103.8825, 0.2801,
0.2272

 0.0000, 0.0000,
0.0000

132.7317, 0.2828,

0.2339

166.4813, 0.2852,
0.2399

■ 12.1682, 0.2448,
0.1547

■ 12.1682, 0.2448,
0.1547

■ 9.5036, 0.2310,
0.1297

■ 15.6195, 0.2585,
0.1828

■ 7.5542, 0.2176,
0.1092

■ 19.9174, 0.2714,
0.2124

■ 6.2374, 0.2052,
0.0942

■ 25.1174, 0.2833,
0.2422

■ 5.5189, 0.1964,
0.0856

■ 31.2699, 0.2939,
0.2712

■ 38.4213, 0.3032,
0.2985

■ 46.6150, 0.3112,
0.3238

■ 55.8918, 0.3179,
0.3469

■ 66.2903, 0.3236,
0.3678

■ 77.8471, 0.3284,
0.3864

Harmonies

Analogous

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



12.1682, 0.1516, 0.1359



12.1682, 0.2448, 0.1547



12.1682, 0.3910, 0.2028

Triad

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



12.1682, 0.2448, 0.1547



12.1682, 0.5440, 0.4417



12.1682, 0.1221, 0.3375

Complementary

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



12.1682, 0.2448, 0.1547



39.9714, 0.3485, 0.5006

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.



12.1682, 0.1998, 0.5314



12.1682, 0.2448, 0.1547



12.1682, 0.4406, 0.5490

Square

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



12.1682, 0.2448, 0.1547



12.1682, 0.5909, 0.3500



12.1682, 0.3156, 0.6139



12.1682, 0.0957, 0.2051

Rectangle

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



12.1682, 0.2448, 0.1547



12.1682, 0.4948, 0.2478



12.1682, 0.3156, 0.6139



12.1682, 0.1418, 0.4010

Sweetspot

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



12.1686, 0.2448, 0.1547



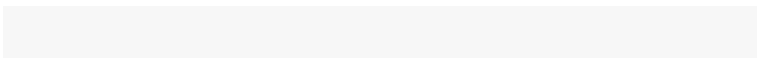
59.4532, 0.2967, 0.2791



21.1315, 0.2172, 0.2360



12.0725, 0.2939, 0.2712



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.



12.1686, 0.2448, 0.1547



15.4502, 0.2254, 0.1207



17.7305, 0.3146, 0.1856



8.9204, 0.3056, 0.3059



3.8005, 0.1978, 0.0863



0.1709, 0.2275, 0.1027

Inverse Universe

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



16.3383, 0.3991, 0.2479



24.0754, 0.4296, 0.2384



36.5913, 0.3056, 0.5257



9.0898, 0.3207, 0.3169



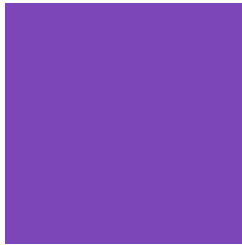
7.6411, 0.4803, 0.2419



0.2818, 0.4286, 0.2135

Previews

White Background



This preview shows how the Yxy color 12.1682, 0.2448, 0.1547 looks on a white background.

Color Contrast Check

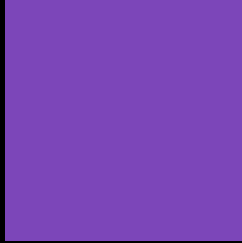
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1682, 0.2448, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

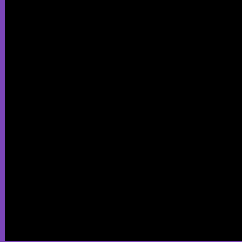
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1682, 0.2448, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 12.1682, 0.2448, 0.1547.



This preview shows how white text looks on a background with the Yxy color 12.1682, 0.2448, 0.1547.

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

12.1682, 0.2448, 0.1547

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.2887, 0.1835, 0.1805



Tritanopia

12.1529, 0.3228, 0.3117

Trichromacy



Original Color

12.1682, 0.2448, 0.1547

Protanomaly

11.1536, 0.1818, 0.1422

Deuteranomaly

10.9979, 0.1882, 0.1605

Tritanomaly

11.7403, 0.2904, 0.2375

Monochromacy



Original Color

12.1682, 0.2448, 0.1547

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.7793, 0.2846, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1682, 0.2448, 0.1547 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(124, 70, 185)` looks like.

```
.text, #text, p{  
    color:rgb(124, 70, 185)  
}
```

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(124, 70, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 70, 185) }
```

Border

The CSS property to change the border of an element to Yxy 12.1682, 0.2448, 0.1547 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(124, 70, 185) }
```

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

```
.border{ border-color:rgb(124, 70, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 70, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 70, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 70, 185);  
box-shadow:4px 4px 4px 4px rgb(124, 70,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1682, 0.2448, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 70, 185) }
```

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

```
.background{ background-color: rgb(124, 70,  
185) }
```

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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