

Converting Colors

$Y_{xy}(12.5002, 0.4818, 0.2747)$

Have a look what the booklet for
Yxy(12.5002, 0.4818, 0.2747)
contains.

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Color

Yxy(12.4559, 0.4811, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	B52D5B
RGB	181, 45, 91
RGB Percent	71%, 18%, 36%
CMY	0.2901, 0.8236, 0.6431
CMYK	0.00, 0.75, 0.50, 0.29
HSL	340°, 60%, 44%
HSV	340°, 75%, 71%
XYZ	21.8865, 12.4559, 11.1503
YIQ	90.9080, 66.2900, 43.1380

Conversions

Conversions Part 2

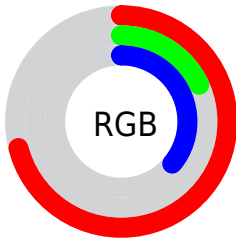
Format	Color
R_{YB}	181, 45, 91
Decimal	11873627
CIE _{Lab}	41.93, 56.76, 6.31
CIE _{LCh}	42, 57.111, 6.345
Yxy	12.4559, 0.4811, 0.2738
Android (android.graphics.Color)	4290063707 (0xFFB52D5B)
YUV	90.9080, 0.0454, 79.0107
Hunter-Lab	35.2929, 48.9323, 5.9733

Details

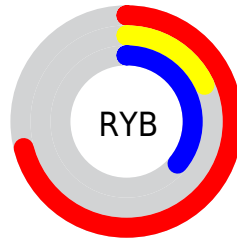
The Yxy color **12.4559, 0.4811, 0.2738** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **35.3619, 0.2558, 0.4115**, and the grayscale version is **10.4266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3244, 0.4379, 0.2891**, and **4.3348, 0.5383, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **11.1692, 0.5152, 0.2758**, and if you desaturate by 10%, it is **14.3689, 0.4476, 0.2761**.

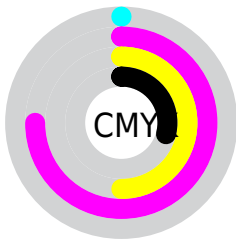
Distribution



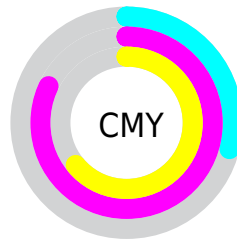
- Red (71%)
- Green (18%)
- Blue (36%)



- Red (71%)
- Yellow (18%)
- Blue (36%)



- Cyan (0%)
- Magenta (75%)
- Yellow (50%)
- Black (29%)





- Cyan (29%)
- Magenta (82%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4559, 0.4811, 0.2738 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 12.4559, 0.4811, 0.2738 by changing the saturation by 10% instead.


 12.4559, 0.4811,
0.2738


 12.4559, 0.4811,
0.2738


207.4005, 0.3792,
0.3089


 7.0550, 0.5145,
0.2613


 30.3228, 0.4387,
0.2890


 3.4965, 0.5631,
0.2423

 43.5575, 0.4245,
0.2939


 1.3961, 0.6385,
0.2109

 60.1722, 0.4131,
0.2977

 0.2139, 0.8955,
0.1045

 80.5514, 0.4039,
0.3008

 0.0000, 1.0000,
0.0000

 105.0795, 0.3961,
0.3034

 0.0000, 0.0000,
0.0000

 134.1407, 0.3896,

0.3055

168.1196, 0.3840,
0.3073

■ 12.4559, 0.4811,
0.2738

■ 12.4559, 0.4811,
0.2738

■ 11.1692, 0.5152,
0.2758

■ 14.3689, 0.4476,
0.2761

■ 10.4225, 0.5472,
0.2828

■ 16.9748, 0.4168,
0.2818

■ 10.1657, 0.5618,
0.2869

■ 20.3342, 0.3897,
0.2895

■ 24.5001, 0.3666,
0.2982

■ 29.5211, 0.3474,
0.3073

■ 35.4414, 0.3315,
0.3163

■ 42.3026, 0.3185,
0.3248

■ 50.1435, 0.3078,
0.3328

■ 59.0006, 0.2991,
0.3402

Harmonies

Analogous

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



12.4559, 0.3574, 0.2125



12.4559, 0.4811, 0.2738



12.4559, 0.5456, 0.3456

Triad

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



12.4559, 0.4811, 0.2738



12.4559, 0.3440, 0.5602



12.4559, 0.1280, 0.1797

Complementary

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



12.4559, 0.4811, 0.2738



35.3619, 0.2558, 0.4115

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.



12.4559, 0.1250, 0.2422



12.4559, 0.4811, 0.2738



12.4559, 0.2386, 0.5082

Square

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



12.4559, 0.4811, 0.2738



12.4559, 0.4473, 0.5082



12.4559, 0.1596, 0.3640



12.4559, 0.1646, 0.1607

Rectangle

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



12.4559, 0.4811, 0.2738



12.4559, 0.5403, 0.3974



12.4559, 0.1596, 0.3640



12.4559, 0.1233, 0.1948

Sweetspot

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



12.4566, 0.4811, 0.2738



54.6154, 0.3443, 0.3089



10.2315, 0.2572, 0.1384



11.0510, 0.3506, 0.3057



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.4566, 0.4811, 0.2738



19.0498, 0.5360, 0.2797



13.8401, 0.5456, 0.3521



8.5511, 0.3236, 0.3213



7.0182, 0.5585, 0.2850



0.2320, 0.4794, 0.2414

Inverse Universe

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



12.4566, 0.4811, 0.2738



19.0498, 0.5360, 0.2797



29.2491, 0.2220, 0.2938



8.5511, 0.3236, 0.3213



7.0182, 0.5585, 0.2850



0.2320, 0.4794, 0.2414

Previews

White Background



This preview shows how the Yxy color 12.4559, 0.4811, 0.2738 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 12.4559, 0.4811, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

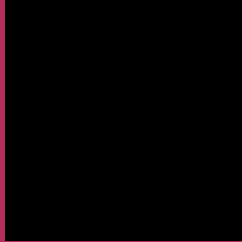
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4559, 0.4811, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 12.4559, 0.4811, 0.2738.



This preview shows how white text looks on a background with the Yxy color 12.4559, 0.4811, 0.2738.

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

12.4559, 0.4811, 0.2738

Protanopia

12.7371, 0.2792, 0.2815

Deuteranopia

12.6507, 0.3605, 0.3548



Tritanopia

12.5076, 0.5399, 0.3274

Trichromacy



Original Color

12.4559, 0.4811, 0.2738

Protanomaly

11.1534, 0.3423, 0.2686

Deuteranomaly

11.4848, 0.4066, 0.3108

Tritanomaly

12.5006, 0.5203, 0.3086

Monochromacy



Original Color

12.4559, 0.4811, 0.2738

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

9.9380, 0.3749, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4559, 0.4811, 0.2738 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(181, 45, 91)` looks like.

```
.text, #text, p{  
    color:rgb(181, 45, 91)  
}
```

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(181, 45, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 45, 91) }
```

Border

The CSS property to change the border of an element to Yxy 12.4559, 0.4811, 0.2738 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(181, 45, 91) }
```

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

```
.border{ border-color:rgb(181, 45, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 45, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 45, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 45, 91);  
box-shadow:4px 4px 4px 4px rgb(181, 45,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4559, 0.4811, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 45, 91) }
```

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

```
.background{ background-color: rgb(181, 45,  
91) }
```

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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