

Converting Colors

$Y_{xy}(12.5638, 0.4869, 0.2933)$

Have a look what the booklet for
Yxy(12.5638, 0.4869, 0.2933)
contains.

Yxy(12.4930, 0.4859, 0.2920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4930, 0.4859, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	B03653
RGB	176, 54, 83
RGB Percent	69%, 21%, 33%
CMY	0.3097, 0.7883, 0.6744
CMYK	0.00, 0.69, 0.53, 0.31
HSL	346°, 53%, 45%
HSV	346°, 69%, 69%
XYZ	20.7889, 12.4930, 9.5024
YIQ	93.7840, 63.4030, 34.8830

Conversions

Conversions Part 2

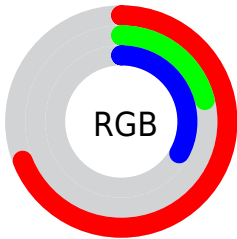
Format	Color
R_{YB}	176, 54, 83
Decimal	11548243
CIE _{Lab}	41.99, 51.30, 11.27
CIE _{LCh}	42, 52.525, 12.388
Yxy	12.4930, 0.4859, 0.2920
Android (android.graphics.Color)	4289738323 (0xFFB03653)
YUV	93.7840, -5.3165, 72.1034
Hunter-Lab	35.3454, 43.1325, 8.8021

Details

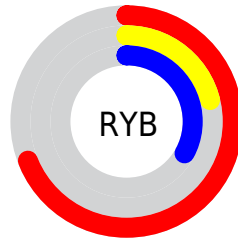
The Yxy color **12.4930, 0.4859, 0.2920** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **33.9483, 0.2501, 0.3804**, and the grayscale version is **11.1401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4361, 0.4421, 0.3043**, and **3.9980, 0.5553, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **10.9544, 0.5252, 0.2928**, and if you desaturate by 10%, it is **14.6658, 0.4482, 0.2944**.

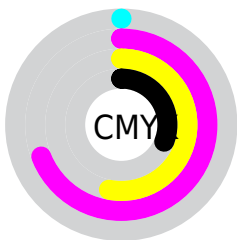
Distribution



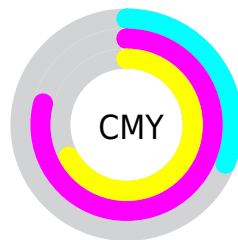
- Red (69%)
- Green (21%)
- Blue (33%)



- Red (69%)
- Yellow (21%)
- Blue (33%)



- Cyan (0%)
- Magenta (69%)
- Yellow (53%)
- Black (31%)




- Cyan (31%)
- Magenta (79%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4930, 0.4859, 0.2920 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 12.4930, 0.4859, 0.2920 by changing the saturation by 10% instead.


 12.4930, 0.4859,
0.2920


 12.4930, 0.4859,
0.2920


 207.6423, 0.3806,
0.3175


 7.0804, 0.5205,
0.2817


 30.3899, 0.4420,
0.3037


 3.5124, 0.5709,
0.2652

 43.6429, 0.4273,
0.3073


 1.4047, 0.6521,
0.2370

 60.2782, 0.4156,
0.3100


 0.2202, 0.8807,
0.1193

 80.6801, 0.4060,
0.3122

 0.0000, 1.0000,
0.0000

 105.2331, 0.3980,
0.3139

 0.0000, 0.0000,
0.0000

 134.3216, 0.3913,

0.3153

168.3298, 0.3856,
0.3165

■ 12.4930, 0.4859,
0.2920

■ 12.4930, 0.4859,
0.2920

■ 10.9544, 0.5252,
0.2928

■ 14.6658, 0.4482,
0.2944

■ 9.9780, 0.5623,
0.2976

■ 17.5303, 0.4144,
0.2989

■ 9.4307, 0.5939,
0.3052

■ 21.1398, 0.3854,
0.3047

■ 9.3987, 0.5959,
0.3056

■ 25.5420, 0.3612,
0.3111

■ 30.7803, 0.3413,
0.3175

■ 36.8952, 0.3251,
0.3236

■ 43.9244, 0.3119,
0.3294

■ 51.9035, 0.3012,
0.3347

■ 60.8661, 0.2925,
0.3396

Harmonies

Analogous

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



12.4930, 0.3788, 0.2305



12.4930, 0.4859, 0.2920



12.4930, 0.5312, 0.3625

Triad

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



12.4930, 0.4859, 0.2920



12.4930, 0.3248, 0.5404



12.4930, 0.1429, 0.1831

Complementary

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



12.4930, 0.4859, 0.2920



33.9483, 0.2501, 0.3804

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.



12.4930, 0.1340, 0.2338



12.4930, 0.4859, 0.2920



12.4930, 0.2278, 0.4686

Square

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



12.4930, 0.4859, 0.2920



12.4930, 0.4237, 0.5120



12.4930, 0.1603, 0.3359



12.4930, 0.1852, 0.1707

Rectangle

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



12.4930, 0.4859, 0.2920



12.4930, 0.5185, 0.4128



12.4930, 0.1603, 0.3359



12.4930, 0.1363, 0.1951

Sweetspot

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



12.4937, 0.4859, 0.2920



53.7524, 0.3450, 0.3162



11.8381, 0.2789, 0.1578



11.0818, 0.3502, 0.3145



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.4937, 0.4859, 0.2920



18.8378, 0.5447, 0.2948



15.9156, 0.5053, 0.3692



8.5373, 0.3251, 0.3236



6.9021, 0.5933, 0.3042



0.2264, 0.5149, 0.2610

Inverse Universe

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



12.4937, 0.4859, 0.2920



18.8378, 0.5447, 0.2948



24.3261, 0.2207, 0.2744



8.5373, 0.3251, 0.3236



6.9021, 0.5933, 0.3042



0.2264, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 12.4930, 0.4859, 0.2920 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 12.4930, 0.4859, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

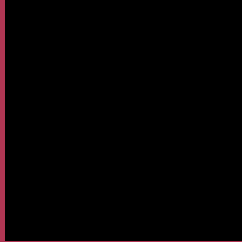
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4930, 0.4859, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 12.4930, 0.4859, 0.2920.



This preview shows how white text looks on a background with the Yxy color 12.4930, 0.4859, 0.2920.

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

12.4930, 0.4859, 0.2920

Protanopia

12.6736, 0.3047, 0.3135

Deuteranopia

12.6835, 0.3745, 0.3694



Tritanopia

12.4879, 0.5216, 0.3247

Trichromacy



Original Color

12.4930, 0.4859, 0.2920

Protanomaly

11.6575, 0.3649, 0.2996

Deuteranomaly

11.8526, 0.4168, 0.3330

Tritanomaly

12.4824, 0.5079, 0.3131

Monochromacy



Original Color

12.4930, 0.4859, 0.2920

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.6152, 0.3743, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4930, 0.4859, 0.2920 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(176, 54, 83)` looks like.

```
.text, #text, p{  
    color:rgb(176, 54, 83)  
}
```

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(176, 54, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 54, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.4930, 0.4859, 0.2920 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(176, 54, 83) }
```

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

```
.border{ border-color:rgb(176, 54, 83) }
```

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

Here you see how a box with a 4 pixel rgb(176, 54, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 54, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 54, 83);  
box-shadow:4px 4px 4px 4px rgb(176, 54,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4930, 0.4859, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 54, 83) }
```

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

```
.background{ background-color: rgb(176, 54,  
83) }
```

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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