

Converting Colors

$Y_{xy}(12.3162, 0.4948, 0.2963)$

Have a look what the booklet for
Yxy(12.3162, 0.4948, 0.2963)
contains.

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Color

Yxy(12.3408, 0.4946, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	B0354F
RGB	176, 53, 79
RGB Percent	69%, 21%, 31%
CMY	0.3099, 0.7920, 0.6902
CMYK	0.00, 0.70, 0.55, 0.31
HSL	347°, 54%, 45%
HSV	347°, 70%, 69%
XYZ	20.5860, 12.3408, 8.6947
YIQ	92.7410, 64.9620, 34.1620

Conversions

Conversions Part 2

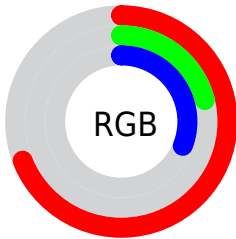
Format	Color
R_{YB}	176, 53, 79
Decimal	11547983
CIE _{Lab}	41.75, 51.34, 13.45
CIE _{LCh}	42, 53.070, 14.680
Yxy	12.3408, 0.4946, 0.2965
Android (android.graphics.Color)	4289738063 (0xFFB0354F)
YUV	92.7410, -6.7743, 73.0181
Hunter-Lab	35.1295, 43.1253, 9.9160

Details

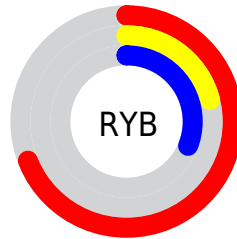
The Yxy color **12.3408, 0.4946, 0.2965** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **34.0037, 0.2479, 0.3748**, and the grayscale version is **10.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1165, 0.4480, 0.3077**, and **3.9033, 0.5666, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **10.8387, 0.5350, 0.2978**, and if you desaturate by 10%, it is **14.4756, 0.4554, 0.2983**.

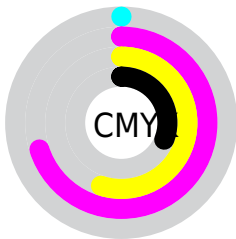
Distribution



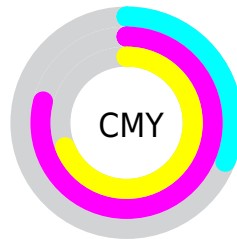
- Red (69%)
- Green (21%)
- Blue (31%)



- Red (69%)
- Yellow (21%)
- Blue (31%)



- Cyan (0%)
- Magenta (70%)
- Yellow (55%)
- Black (31%)





- Cyan (31%)
- Magenta (79%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3408, 0.4946, 0.2965 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 12.3408, 0.4946, 0.2965 by changing the saturation by 10% instead.


 12.3408, 0.4946,
0.2965


 12.3408, 0.4946,
0.2965


 206.6486, 0.3838,
0.3200


 6.9762, 0.5310,
0.2864


 30.1143, 0.4484,
0.3076


 3.4472, 0.5836,
0.2697

 43.2920, 0.4330,
0.3110


 1.3694, 0.6730,
0.2426

 59.8429, 0.4206,
0.3134

 0.1940, 0.8912,
0.1088

 80.1513, 0.4105,
0.3154

 0.0000, 1.0000,
0.0000

 104.6017, 0.4022,
0.3169

 0.0000, 0.0000,
0.0000

 133.5785, 0.3951,

0.3181

167.4660, 0.3891,
0.3192

■ 12.3408, 0.4946,
0.2965

■ 12.3408, 0.4946,
0.2965

■ 10.8387, 0.5350,
0.2978

■ 14.4756, 0.4554,
0.2983

■ 9.8964, 0.5724,
0.3027

■ 17.3012, 0.4200,
0.3021

■ 9.3690, 0.6033,
0.3098

■ 20.8717, 0.3895,
0.3072

■ 9.3627, 0.6037,
0.3099

■ 25.2349, 0.3641,
0.3128

■ 30.4349, 0.3433,
0.3184

■ 36.5123, 0.3263,
0.3239

■ 43.5051, 0.3126,
0.3291

■ 51.4493, 0.3014,
0.3338

■ 60.3785, 0.2923,
0.3382

Harmonies

Analogous

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



12.3408, 0.3890, 0.2335



12.3408, 0.4946, 0.2965



12.3408, 0.5341, 0.3680

Triad

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



12.3408, 0.4946, 0.2965



12.3408, 0.3165, 0.5421



12.3408, 0.1432, 0.1793

Complementary

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



12.3408, 0.4946, 0.2965



34.0037, 0.2479, 0.3748

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.



12.3408, 0.1316, 0.2268



12.3408, 0.4946, 0.2965



12.3408, 0.2199, 0.4615

Square

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



12.3408, 0.4946, 0.2965



12.3408, 0.4172, 0.5186



12.3408, 0.1550, 0.3260



12.3408, 0.1885, 0.1694

Rectangle

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



12.3408, 0.4946, 0.2965



12.3408, 0.5175, 0.4190



12.3408, 0.1550, 0.3260



12.3408, 0.1357, 0.1903

Sweetspot

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



12.3415, 0.4946, 0.2965



53.6953, 0.3461, 0.3176



12.1046, 0.2840, 0.1594



11.0683, 0.3515, 0.3161



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.



12.3415, 0.4946, 0.2965



18.5883, 0.5567, 0.3001



16.4428, 0.5022, 0.3750



8.5337, 0.3255, 0.3242



6.8783, 0.6012, 0.3086



0.2249, 0.5256, 0.2669

Inverse Universe

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



12.3415, 0.4946, 0.2965



18.5883, 0.5567, 0.3001



22.9843, 0.2183, 0.2662



8.5337, 0.3255, 0.3242



6.8783, 0.6012, 0.3086



0.2249, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 12.3408, 0.4946, 0.2965 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 12.3408, 0.4946, 0.2965 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 12.3408, 0.4946, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 12.3408, 0.4946, 0.2965.



This preview shows how white text looks on a background with the Yxy color 12.3408, 0.4946, 0.2965.

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

12.3408, 0.4946, 0.2965

Protanopia

12.5923, 0.3101, 0.3223

Deuteranopia

12.5170, 0.3830, 0.3756



Tritanopia

12.3665, 0.5261, 0.3260

Trichromacy



Original Color

12.3408, 0.4946, 0.2965

Protanomaly

11.4319, 0.3724, 0.3054

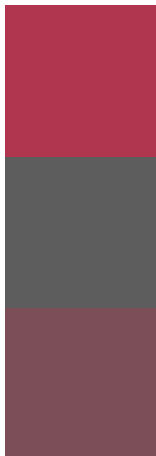
Deuteranomaly

11.7343, 0.4266, 0.3385

Tritanomaly

12.3476, 0.5144, 0.3159

Monochromacy



Original Color

12.3408, 0.4946, 0.2965

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.3643, 0.3768, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3408, 0.4946, 0.2965 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, 53, 79)` looks like.

```
.text, #text, p{  
    color:rgb(176, 53, 79)  
}
```

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, 53, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 53, 79) }
```

Border

The CSS property to change the border of an element to Yxy 12.3408, 0.4946, 0.2965 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, 53, 79) }
```

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

```
.border{ border-color:rgb(176, 53, 79) }
```

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

Here you see how a box with a 4 pixel rgb(176, 53, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 53, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 53, 79);  
box-shadow:4px 4px 4px 4px rgb(176, 53,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3408, 0.4946, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 53, 79) }
```

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

```
.background{ background-color: rgb(176, 53,  
79) }
```

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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