

Converting Colors

$Y_{xy}(16.3999, 0.4228, 0.2929)$

Have a look what the booklet for
Yxy(16.3999, 0.4228, 0.2929)
contains.

Yxy(16.3262, 0.4231, 0.2930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3262, 0.4231, 0.2930)

Conversions

Conversions Part 1

Format	Color
Hex	B0526B
RGB	176, 82, 107
RGB Percent	69%, 32%, 42%
CMY	0.3098, 0.6784, 0.5804
CMYK	0.00, 0.53, 0.39, 0.31
HSL	344°, 37%, 51%
HSV	344°, 53%, 69%
XYZ	23.5755, 16.3262, 15.8191
YIQ	112.9560, 47.9990, 27.7030

Conversions

Conversions Part 2

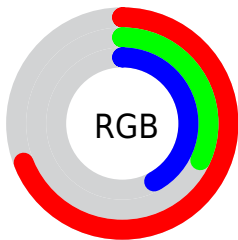
Format	Color
R _{YB}	176, 82, 107
Decimal	11555435
CIE _{Lab}	47.40, 40.88, 4.17
CIE _{LCh}	47, 41.093, 5.823
Yxy	16.3262, 0.4231, 0.2930
Android (android.graphics.Color)	4289745515 (0xFFB0526B)
YUV	112.9560, -2.9363, 55.2896
Hunter-Lab	40.4057, 33.4393, 5.0715

Details

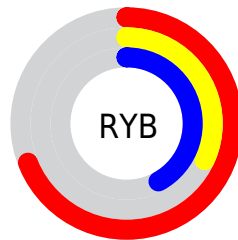
The Yxy color **16.3262, 0.4231, 0.2930** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **35.0787, 0.2604, 0.3715**, and the grayscale version is **16.4987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0112, 0.3967, 0.3020**, and **5.2479, 0.4729, 0.2750** is the 20% darker color. If you saturate the color by 10%, you get **13.7524, 0.4572, 0.2886**, and if you desaturate by 10%, it is **19.6230, 0.3934, 0.2991**.

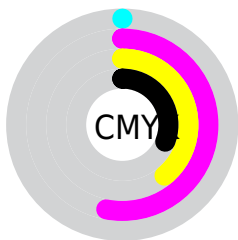
Distribution



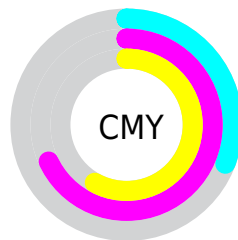
- Red (69%)
- Green (32%)
- Blue (42%)



- Red (69%)
- Yellow (32%)
- Blue (42%)



- Cyan (0%)
- Magenta (53%)
- Yellow (39%)
- Black (31%)




- Cyan (31%)
- Magenta (68%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3262, 0.4231, 0.2930 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 16.3262, 0.4231, 0.2930 by changing the saturation by 10% instead.


 16.3262, 0.4231,
0.2930

 16.3262, 0.4231,
0.2930


231.2589, 0.3583,
0.3149


 9.7553, 0.4435,
0.2857


 37.1636, 0.3967,
0.3021


 5.2370, 0.4729,
0.2750

 52.1988, 0.3877,
0.3052


 2.3870, 0.5184,
0.2577

 70.8243, 0.3804,
0.3076

 0.8192, 0.6040,
0.2285

 93.4244, 0.3744,
0.3096

 0.0000, 1.0000,
0.0000

 120.3835, 0.3694,
0.3112

 0.0000, 0.0000,
0.0000

152.0861, 0.3651,

0.3126

188.9164, 0.3615,
0.3138

■ 16.3262, 0.4231,
0.2930

■ 16.3262, 0.4231,
0.2930

■ 13.7524, 0.4572,
0.2886

■ 19.6230, 0.3934,
0.2991

■ 11.8441, 0.4943,
0.2869

■ 23.6896, 0.3684,
0.3060

■ 10.5392, 0.5321,
0.2891

■ 28.5716, 0.3476,
0.3132

■ 9.7624, 0.5668,
0.2954

■ 34.3104, 0.3306,
0.3202

■ 9.4336, 0.5870,
0.3008

■ 40.9446, 0.3168,
0.3268

■ 48.5104, 0.3055,
0.3330

■ 57.0421, 0.2964,
0.3387

■ 66.5721, 0.2888,
0.3439

■ 77.1314, 0.2826,
0.3486

Harmonies

Analogous

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



16.3262, 0.3433, 0.2456



16.3262, 0.4231, 0.2930



16.3262, 0.4695, 0.3498

Triad

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



16.3262, 0.4231, 0.2930



16.3262, 0.3455, 0.4792



16.3262, 0.1776, 0.2261

Complementary

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



16.3262, 0.4231, 0.2930



35.0787, 0.2604, 0.3715

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.



16.3262, 0.1777, 0.2762



16.3262, 0.4231, 0.2930



16.3262, 0.2690, 0.4406

Square

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



16.3262, 0.4231, 0.2930



16.3262, 0.4174, 0.4598



16.3262, 0.2086, 0.3568



16.3262, 0.2064, 0.2075

Rectangle

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



16.3262, 0.4231, 0.2930



16.3262, 0.4720, 0.3894



16.3262, 0.2086, 0.3568



16.3262, 0.1744, 0.2391

Sweetspot

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



16.3270, 0.4231, 0.2930



59.0733, 0.3352, 0.3182



15.7430, 0.2871, 0.1915



12.3434, 0.3385, 0.3168



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.



16.3270, 0.4231, 0.2930



24.2662, 0.4634, 0.2881



19.7273, 0.4463, 0.3613



8.5412, 0.3247, 0.3230



6.9302, 0.5844, 0.2993



0.2279, 0.5042, 0.2551

Inverse Universe

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



16.3270, 0.4231, 0.2930



24.2662, 0.4634, 0.2881



28.0620, 0.2378, 0.2916



8.5412, 0.3247, 0.3230



6.9302, 0.5844, 0.2993



0.2279, 0.5042, 0.2551

Previews

White Background



This preview shows how the Yxy color 16.3262, 0.4231, 0.2930 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 16.3262, 0.4231, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

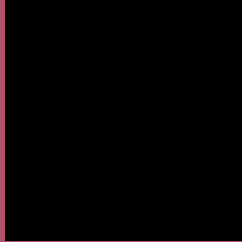
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3262, 0.4231, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 16.3262, 0.4231, 0.2930.



This preview shows how white text looks on a background with the Yxy color 16.3262, 0.4231, 0.2930.

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

16.3262, 0.4231, 0.2930

Protanopia

16.4883, 0.2984, 0.3053

Deuteranopia

16.5057, 0.3471, 0.3406



Tritanopia

16.3663, 0.4471, 0.3207

Trichromacy



Original Color

16.3262, 0.4231, 0.2930

Protanomaly

15.7663, 0.3385, 0.2979

Deuteranomaly

15.9429, 0.3745, 0.3203

Tritanomaly

16.3177, 0.4376, 0.3104

Monochromacy



Original Color

16.3262, 0.4231, 0.2930

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8847, 0.3497, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3262, 0.4231, 0.2930 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, 82, 107)` looks like.

```
.text, #text, p{  
    color:rgb(176, 82, 107)  
}
```

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, 82, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 82, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.3262, 0.4231, 0.2930 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, 82, 107) }
```

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

```
.border{ border-color:rgb(176, 82, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 82, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 82, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 82, 107);  
box-shadow:4px 4px 4px 4px rgb(176, 82,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3262, 0.4231, 0.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 82, 107) }
```

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

```
.background{ background-color: rgb(176, 82,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor