

Converting Colors

$Y_{xy}(16.9820, 0.2638, 0.4296)$

Have a look what the booklet for
Yxy(16.9820, 0.2638, 0.4296)
contains.

Yxy(17.0439, 0.2639, 0.4292)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0439, 0.2639, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	238259
RGB	35, 130, 89
RGB Percent	14%, 51%, 35%
CMY	0.8626, 0.4902, 0.6510
CMYK	0.73, 0.00, 0.32, 0.49
HSL	154°, 58%, 32%
HSV	154°, 73%, 51%
XYZ	10.4797, 17.0439, 12.1873
YIQ	96.9210, -43.4590, -32.8910

Conversions

Conversions Part 2

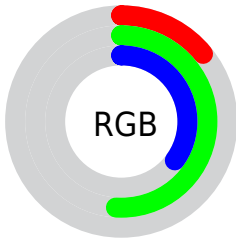
Format	Color
RYB	35, 96, 130
Decimal	2327129
CIELab	48.32, -37.46, 14.50
CIElCh	48, 40.172, 158.837
Yxy	17.0439, 0.2639, 0.4292
Android (android.graphics.Color)	4280517209 (0xFF238259)
YUV	96.9210, -3.9051, -54.3047
Hunter-Lab	41.2843, -26.9366, 11.3964

Details

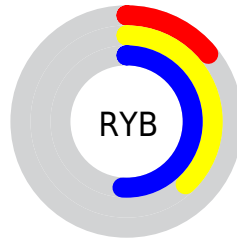
The Yxy color **17.0439, 0.2639, 0.4292** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.4727, 0.4429, 0.2579**, and the grayscale version is **11.9543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5247, 0.2769, 0.4038**, and **5.9117, 0.2650, 0.4741** is the 20% darker color. If you saturate the color by 10%, you get **16.7668, 0.2628, 0.4455**, and if you desaturate by 10%, it is **17.4138, 0.2668, 0.4130**.

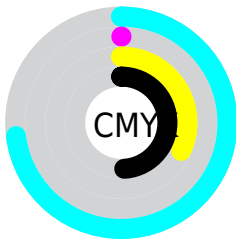
Distribution



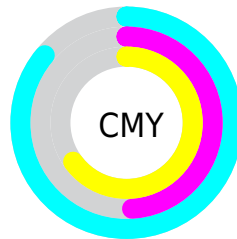
- Red (14%)
- Green (51%)
- Blue (35%)



- Red (14%)
- Yellow (38%)
- Blue (51%)



- Cyan (73%)
- Magenta (0%)
- Yellow (32%)
- Black (49%)





- Cyan (86%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0439, 0.2639, 0.4292 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 17.0439, 0.2639, 0.4292 by changing the saturation by 10% instead.


 17.0439, 0.2639,
0.4292

 17.0439, 0.2639,
0.4292

235.4252, 0.2938,
0.3678


 10.2658, 0.2537,
0.4503


 38.4012, 0.2765,
0.4032


 5.5755, 0.2382,
0.4824

 53.7493, 0.2807,
0.3947


 2.5887, 0.2123,
0.5365

 72.7227, 0.2840,
0.3879

 0.9210, 0.0000,
1.0000

 95.7060, 0.2867,
0.3823

 0.0000, 0.0000,
0.0000

 123.0835, 0.2889,
0.3778

 155.2396, 0.2908,

0.3739

192.5587, 0.2924,
0.3706

■ 17.0439, 0.2639,
0.4292

■ 17.0439, 0.2639,
0.4292

■ 16.7668, 0.2628,
0.4455

■ 17.4138, 0.2668,
0.4130

■ 16.5704, 0.2636,
0.4616

■ 17.8832, 0.2714,
0.3972

■ 16.4579, 0.2646,
0.4727

■ 18.4600, 0.2774,
0.3821

■ 19.1512, 0.2846,
0.3680

■ 19.9628, 0.2925,
0.3549

■ 20.9007, 0.3011,
0.3429

■ 21.9702, 0.3100,
0.3321

■ 23.1764, 0.3190,
0.3224

■ 24.5239, 0.3280,
0.3137

Harmonies

Analogous

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



17.0439, 0.3374, 0.4724



17.0439, 0.2639, 0.4292



17.0439, 0.2077, 0.3474

Triad

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



17.0439, 0.2639, 0.4292



17.0439, 0.2141, 0.2109



17.0439, 0.4658, 0.3555

Complementary

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



17.0439, 0.2639, 0.4292



6.4727, 0.4429, 0.2579

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.



17.0439, 0.4255, 0.2997



17.0439, 0.2639, 0.4292



17.0439, 0.2724, 0.2208

Square

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



17.0439, 0.2639, 0.4292



17.0439, 0.1832, 0.2264



17.0439, 0.3507, 0.2522



17.0439, 0.4570, 0.4126

Rectangle

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



17.0439, 0.2639, 0.4292



17.0439, 0.1862, 0.2943



17.0439, 0.3507, 0.2522



17.0439, 0.4577, 0.3364

Sweetspot

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



17.0446, 0.2639, 0.4292



35.2406, 0.2930, 0.3542



17.6312, 0.3387, 0.5292



7.9008, 0.2912, 0.3569



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.0446, 0.2639, 0.4292



29.2735, 0.2632, 0.4567



16.3024, 0.2294, 0.3145



4.8565, 0.3046, 0.3385



15.7819, 0.2646, 0.4724



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.4727, 0.4429, 0.2579



9.5075, 0.4900, 0.2578



6.4791, 0.5402, 0.3393



4.3727, 0.3216, 0.3197



4.8269, 0.5174, 0.2624



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0439, 0.2639, 0.4292 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 17.0439, 0.2639, 0.4292 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 17.0439, 0.2639, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 17.0439, 0.2639, 0.4292.



This preview shows how white text looks on a background with the Yxy color 17.0439, 0.2639, 0.4292.

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

17.0439, 0.2639, 0.4292

Protanopia

16.8548, 0.3656, 0.3922

Deuteranopia

16.8655, 0.3647, 0.3594



Tritanopia

16.9488, 0.2372, 0.3072

Trichromacy



Original Color

17.0439, 0.2639, 0.4292

Protanomaly

16.3130, 0.3163, 0.4072

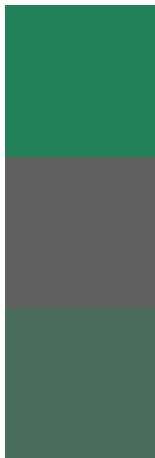
Deuteranomaly

16.0367, 0.3165, 0.3838

Tritanomaly

16.8581, 0.2460, 0.3471

Monochromacy



Original Color

17.0439, 0.2639, 0.4292

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.2013, 0.2856, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0439, 0.2639, 0.4292 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(35, 130, 89)` looks like.

```
.text, #text, p{  
    color:rgb(35, 130, 89)  
}
```

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(35, 130, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 130, 89) }
```

Border

The CSS property to change the border of an element to Yxy 17.0439, 0.2639, 0.4292 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(35, 130, 89) }
```

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

```
.border{ border-color:rgb(35, 130, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 130, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 130, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 130, 89);  
box-shadow:4px 4px 4px 4px rgb(35, 130,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0439, 0.2639, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 130, 89) }
```

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

```
.background{ background-color: rgb(35, 130,  
89) }
```

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