

Converting Colors

$Yxy(16.0248, 0.1703, 0.3138)$

Have a look what the booklet for
Yxy(16.0248, 0.1703, 0.3138)
contains.

Yxy(18.0387, 0.2210, 0.3156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(18.0387, 0.2210, 0.3156)$

Conversions

Conversions Part 1

Format	Color
Hex	008389
RGB	0, 131, 137
RGB Percent	0%, 51%, 54%
CMY	1.0000, 0.4863, 0.4627
CMYK	1.00, 0.04, 0.00, 0.46
HSL	183°, 100%, 27%
HSV	183°, 100%, 54%
XYZ	12.6317, 18.0387, 26.4865
YIQ	92.5150, -80.0020, -25.9060

Conversions

Conversions Part 2

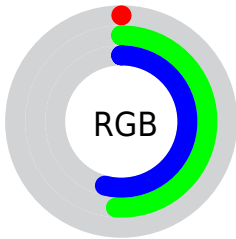
Format	Color
RYB	0, 67, 137
Decimal	33673
CIELab	49.54, -27.35, -11.84
CIELCh	50, 29.808, 203.412
Yxy	18.0387, 0.2210, 0.3156
Android (android.graphics.Color)	4278223753 (0xFF008389)
YUV	92.5150, 21.9311, -81.1357
Hunter-Lab	42.4720, -21.2380, -7.2442

Details

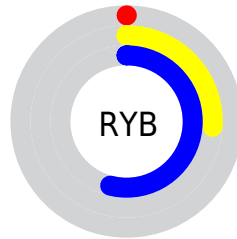
The Yxy color **18.0387, 0.2210, 0.3156** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **5.4497, 0.6355, 0.3336**, and the grayscale version is **10.7903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8835, 0.2411, 0.3196**, and **6.5730, 0.2192, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **18.0396, 0.2210, 0.3156**, and if you desaturate by 10%, it is **18.2925, 0.2234, 0.3170**.

Distribution



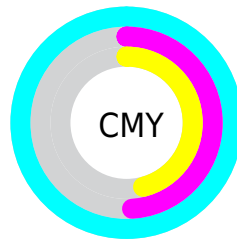
- Red (0%)
- Green (51%)
- Blue (54%)



- Red (0%)
- Yellow (26%)
- Blue (54%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (46%)




- Cyan (100%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0387, 0.2210, 0.3156 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 18.0387, 0.2210, 0.3156 by changing the saturation by 10% instead.


 18.0387, 0.2210,
0.3156


 18.0387, 0.2210,
0.3156


 241.0891, 0.2725,
0.3248


 10.9778, 0.2061,
0.3120


 40.1033, 0.2412,
0.3198


 6.0519, 0.1856,
0.3062

 55.8757, 0.2483,
0.3211


 2.8767, 0.1560,
0.2961

 75.3207, 0.2542,
0.3221

 1.0677, 0.0890,
0.2825

 98.8228, 0.2590,
0.3229

 0.0000, 0.0000,
0.0000

 126.7663, 0.2632,
0.3235

 159.5355, 0.2667,

0.3240

197.5150, 0.2698,
0.3245

■ 18.0387, 0.2210,
0.3156

■ 18.0387, 0.2210,
0.3156

■ 18.0396, 0.2210,
0.3156

■ 18.2925, 0.2234,
0.3170

■ 18.6028, 0.2269,
0.3184

■ 19.0016, 0.2322,
0.3198

■ 19.4994, 0.2393,
0.3213

■ 20.1055, 0.2482,
0.3227

■ 20.8280, 0.2587,
0.3241

■ 21.6742, 0.2706,
0.3254

■ 22.6508, 0.2838,
0.3267

■ 23.7641, 0.2979,
0.3279

Harmonies

Analogous

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



18.0387, 0.2549, 0.3739



18.0387, 0.2210, 0.3156



18.0387, 0.2103, 0.2688

Triad

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



18.0387, 0.2210, 0.3156



18.0387, 0.3110, 0.2564



18.0387, 0.4067, 0.4127

Complementary

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



18.0387, 0.2210, 0.3156



5.4497, 0.6355, 0.3336

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.



18.0387, 0.4267, 0.3739



18.0387, 0.2210, 0.3156



18.0387, 0.3691, 0.2880

Square

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



18.0387, 0.2210, 0.3156



18.0387, 0.2583, 0.2403



18.0387, 0.4132, 0.3295



18.0387, 0.3619, 0.4329

Rectangle

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



18.0387, 0.2210, 0.3156



18.0387, 0.2163, 0.2495



18.0387, 0.4132, 0.3295



18.0387, 0.4167, 0.4011

Sweetspot

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



18.0396, 0.2210, 0.3156



38.7009, 0.2698, 0.3253



17.9042, 0.2992, 0.5970



8.5522, 0.2653, 0.3249



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.0396, 0.2210, 0.3156



32.2367, 0.2209, 0.3153



5.4663, 0.1753, 0.1510



5.6517, 0.2991, 0.3280



16.8057, 0.2210, 0.3156



0.1170, 0.2230, 0.3227

Inverse Universe

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



6.9580, 0.3319, 0.1602



12.4520, 0.3322, 0.1604



10.0938, 0.5277, 0.4192



5.1253, 0.3143, 0.3084



6.4808, 0.3319, 0.1602



0.0436, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 18.0387, 0.2210, 0.3156 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 18.0387, 0.2210, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

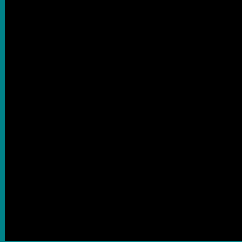
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0387, 0.2210, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 18.0387, 0.2210, 0.3156.



This preview shows how white text looks on a background with the Yxy color 18.0387, 0.2210, 0.3156.

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

18.0387, 0.2210, 0.3156

Protanopia

17.9941, 0.2988, 0.3080

Deuteranopia

17.9665, 0.2858, 0.2810



Tritanopia

17.9985, 0.2204, 0.3051

Trichromacy



Original Color

18.0387, 0.2210, 0.3156

Protanomaly

17.0136, 0.2527, 0.3098

Deuteranomaly

17.0240, 0.2450, 0.2897

Tritanomaly

17.9232, 0.2200, 0.3071

Monochromacy



Original Color

18.0387, 0.2210, 0.3156

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.5493, 0.2535, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0387, 0.2210, 0.3156 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(0, 131, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 137)  
}
```

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(0, 131, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.0387, 0.2210, 0.3156 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(0, 131, 137) }
```

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

```
.border{ border-color:rgb(0, 131, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0387, 0.2210, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 137) }
```

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

```
.background{ background-color: rgb(0, 131,  
137) }
```

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