

Converting Colors

$Yxy(20.9637, 0.1306, 0.2813)$

Have a look what the booklet for
Yxy(20.9637, 0.1306, 0.2813)
contains.

Yxy(25.8385, 0.2141, 0.2907)	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

Yxy(25.8385, 0.2141, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	0099AE
RGB	0, 153, 174
RGB Percent	0%, 60%, 68%
CMY	0.9995, 0.4000, 0.3177
CMYK	1.00, 0.12, 0.00, 0.32
HSL	187°, 100%, 34%
HSV	187°, 100%, 68%
XYZ	19.0300, 25.8385, 44.0152
YIQ	109.6470, -97.9290, -25.9050

Conversions

Conversions Part 2

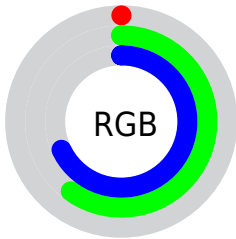
Format	Color
RYB	0, 81, 174
Decimal	39342
CIELab	57.88, -25.96, -20.50
CIELCh	58, 33.072, 218.296
Yxy	25.8385, 0.2141, 0.2907
Android (android.graphics.Color)	4278229422 (0xFF0099AE)
YUV	109.6470, 31.7260, -96.1604
Hunter-Lab	50.8316, -22.1296, -15.7573

Details

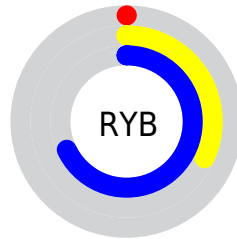
The Yxy color **25.8385, 0.2141, 0.2907** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5358, 0.6291, 0.3386**, and the grayscale version is **15.4260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2046, 0.2334, 0.2996**, and **10.9079, 0.2105, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **25.8338, 0.2141, 0.2907**, and if you desaturate by 10%, it is **26.6557, 0.2170, 0.2948**.

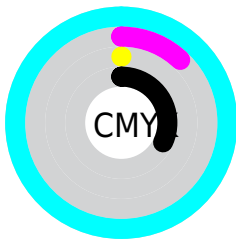
Distribution



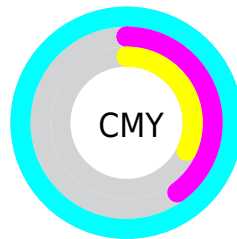
- Red (0%)
- Green (60%)
- Blue (68%)



- Red (0%)
- Yellow (32%)
- Blue (68%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (40%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8385, 0.2141, 0.2907 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 25.8385, 0.2141, 0.2907 by changing the saturation by 10% instead.


 25.8385, 0.2141,
0.2907


 25.8385, 0.2141,
0.2907


 281.9884, 0.2661,
0.3132


 16.7029, 0.2005,
0.2838


 53.0143, 0.2335,
0.2998


 10.0229, 0.1827,
0.2743


 71.8232, 0.2407,
0.3029

 5.4141, 0.1587,
0.2600

 94.6254, 0.2466,
0.3054

 2.4922, 0.1255,
0.2374

 121.8052, 0.2517,
0.3075

 0.8727, 0.0460,
0.2048

 153.7470, 0.2561,
0.3093

 0.0000, 0.0000,
0.0000

 190.8352, 0.2598,

0.3108

233.4542, 0.2631,
0.3121

■ 25.8385, 0.2141,
0.2907

■ 25.8385, 0.2141,
0.2907

■ 25.8338, 0.2141,
0.2907

■ 26.6557, 0.2170,
0.2948

■ 27.5928, 0.2212,
0.2990

■ 28.6928, 0.2274,
0.3032

■ 29.9754, 0.2354,
0.3073

■ 31.4575, 0.2451,
0.3114

■ 33.1539, 0.2565,
0.3154

■ 35.0778, 0.2693,
0.3191

■ 37.2415, 0.2831,
0.3227

■ 39.6563, 0.2977,
0.3260

Harmonies

Analogous

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



25.8385, 0.2365, 0.3445



25.8385, 0.2141, 0.2907



25.8385, 0.2152, 0.2546

Triad

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



25.8385, 0.2141, 0.2907



25.8385, 0.3399, 0.2713



25.8385, 0.3857, 0.4246

Complementary

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



25.8385, 0.2141, 0.2907



9.5358, 0.6291, 0.3386

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.



25.8385, 0.4190, 0.3937



25.8385, 0.2141, 0.2907



25.8385, 0.3927, 0.3081

Square

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



25.8385, 0.2141, 0.2907



25.8385, 0.2833, 0.2472



25.8385, 0.4225, 0.3514



25.8385, 0.3344, 0.4295

Rectangle

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



25.8385, 0.2141, 0.2907



25.8385, 0.2287, 0.2429



25.8385, 0.4225, 0.3514



25.8385, 0.3995, 0.4164

Sweetspot

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



25.8394, 0.2141, 0.2907



63.4265, 0.2685, 0.3189



30.3150, 0.2975, 0.5909



13.7674, 0.2631, 0.3174



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.



25.8394, 0.2141, 0.2907



46.6549, 0.2139, 0.2900



7.0423, 0.1674, 0.1224



8.9047, 0.2986, 0.3262



18.8011, 0.2142, 0.2911



0.5684, 0.2177, 0.3036

Inverse Universe

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



11.2984, 0.3537, 0.1722



20.4730, 0.3544, 0.1726



19.5806, 0.5064, 0.4360



8.1312, 0.3155, 0.3093



8.2010, 0.3533, 0.1720



0.2327, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 25.8385, 0.2141, 0.2907 looks on a white 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

Black Background



This preview shows how the Yxy color 25.8385, 0.2141, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

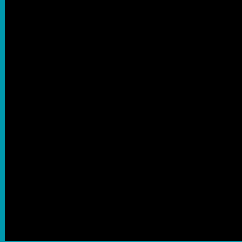
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8385, 0.2141, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 25.8385, 0.2141, 0.2907.



This preview shows how white text looks on a background with the Yxy color 25.8385, 0.2141, 0.2907.

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

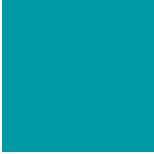
25.8385, 0.2141, 0.2907

Protanopia

25.5222, 0.2835, 0.2868

Deuteranopia

25.6480, 0.2686, 0.2630



Tritanopia

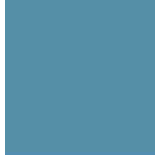
25.8644, 0.2185, 0.3065

Trichromacy



Original Color

25.8385, 0.2141, 0.2907



Protanomaly

24.3662, 0.2414, 0.2864



Deuteranomaly

24.3593, 0.2334, 0.2685



Tritanomaly

25.9758, 0.2170, 0.3011

Monochromacy



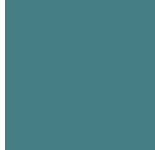
Original Color

25.8385, 0.2141, 0.2907



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.9173, 0.2493, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8385, 0.2141, 0.2907 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, 153, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 174)  
}
```

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, 153, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 174) }
```

Border

The CSS property to change the border of an element to Yxy 25.8385, 0.2141, 0.2907 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, 153, 174) }
```

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

```
.border{ border-color:rgb(0, 153, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8385, 0.2141, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 174) }
```

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

```
.background{ background-color: rgb(0, 153,  
174) }
```

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