

Converting Colors

$Yxy(20.1879, 0.2157, 0.2963)$

Have a look what the booklet for
Yxy(20.1879, 0.2157, 0.2963)
contains.

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Color

$\text{Yxy}(20.1912, 0.2156, 0.2963)$

Conversions

Conversions Part 1

Format	Color
Hex	008999
RGB	0, 137, 153
RGB Percent	0%, 54%, 60%
CMY	1.0000, 0.4627, 0.4000
CMYK	1.00, 0.10, 0.00, 0.40
HSL	186°, 100%, 30%
HSV	186°, 100%, 60%
XYZ	14.6919, 20.1912, 33.2613
YIQ	97.8610, -86.7880, -24.0680

Conversions

Conversions Part 2

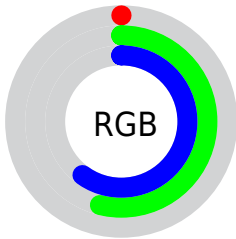
Format	Color
RYB	0, 72, 153
Decimal	35225
CIELab	52.05, -24.99, -17.36
CIELCh	52, 30.432, 214.792
Yxy	20.1912, 0.2156, 0.2963
Android (android.graphics.Color)	4278225305 (0xFF008999)
YUV	97.8610, 27.1835, -85.8241
Hunter-Lab	44.9346, -20.2727, -12.4331

Details

The Yxy color **20.1912, 0.2156, 0.2963** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.1431, 0.6301, 0.3379**, and the grayscale version is **12.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8413, 0.2364, 0.3056**, and **7.7757, 0.2123, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **20.1943, 0.2156, 0.2963**, and if you desaturate by 10%, it is **20.7566, 0.2185, 0.2998**.

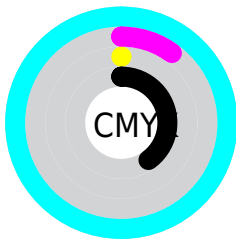
Distribution



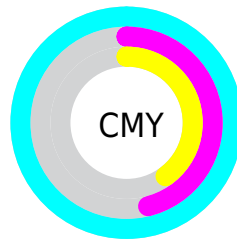
- Red (0%)
- Green (54%)
- Blue (60%)



- Red (0%)
- Yellow (28%)
- Blue (60%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1912, 0.2156, 0.2963 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 20.1912, 0.2156, 0.2963 by changing the saturation by 10% instead.

20.1912, 0.2156,
0.2963

20.1912, 0.2156,
0.2963

252.9483, 0.2689,
0.3164

12.5341, 0.2008,
0.2896

43.7375, 0.2361,
0.3047

7.1085, 0.1809,
0.2799

60.3955, 0.2435,
0.3075

3.5301, 0.1531,
0.2645

80.8226, 0.2495,
0.3098

1.4143, 0.1108,
0.2382

105.4032, 0.2546,
0.3116

0.2272, 0.0000,
0.1277

134.5217, 0.2590,
0.3131

0.0000, 0.0000,
0.0000

168.5624, 0.2627,

0.3144

207.9098, 0.2660,
0.3155

■ 20.1912, 0.2156,
0.2963

■ 20.1912, 0.2156,
0.2963

■ 20.1943, 0.2156,
0.2963

■ 20.7566, 0.2185,
0.2998

■ 21.4025, 0.2227,
0.3033

■ 22.1677, 0.2287,
0.3069

■ 23.0662, 0.2365,
0.3104

■ 24.1102, 0.2460,
0.3139

■ 25.3105, 0.2572,
0.3173

■ 26.6767, 0.2697,
0.3205

■ 28.2177, 0.2833,
0.3236

■ 29.9418, 0.2978,
0.3264

Harmonies

Analogous

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



20.1912, 0.2407, 0.3513



20.1912, 0.2156, 0.2963



20.1912, 0.2139, 0.2578

Triad

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



20.1912, 0.2156, 0.2963



20.1912, 0.3331, 0.2677



20.1912, 0.3907, 0.4219

Complementary

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



20.1912, 0.2156, 0.2963



7.1431, 0.6301, 0.3379

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.



20.1912, 0.4210, 0.3891



20.1912, 0.2156, 0.2963



20.1912, 0.3873, 0.3034

Square

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



20.1912, 0.2156, 0.2963



20.1912, 0.2773, 0.2455



20.1912, 0.4206, 0.3462



20.1912, 0.3408, 0.4306

Rectangle

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



20.1912, 0.2156, 0.2963



20.1912, 0.2257, 0.2443



20.1912, 0.4206, 0.3462



20.1912, 0.4036, 0.4129

Sweetspot

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



20.1943, 0.2156, 0.2963



47.6186, 0.2689, 0.3203



22.8191, 0.2977, 0.5918



10.3002, 0.2640, 0.3191



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.1943, 0.2156, 0.2963



36.0030, 0.2155, 0.2956



5.6591, 0.1691, 0.1288



6.9162, 0.2989, 0.3266



16.7178, 0.2157, 0.2966



0.2775, 0.2201, 0.3122

Inverse Universe

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



8.5791, 0.3487, 0.1695



15.3472, 0.3493, 0.1698



14.3928, 0.5101, 0.4332



6.3125, 0.3152, 0.3093



7.0930, 0.3485, 0.1693



0.1088, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 20.1912, 0.2156, 0.2963 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 20.1912, 0.2156, 0.2963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

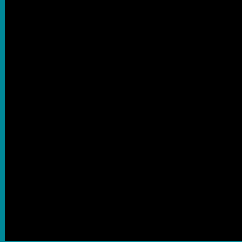
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1912, 0.2156, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 20.1912, 0.2156, 0.2963.

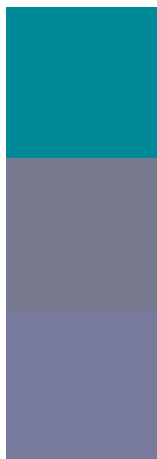


This preview shows how white text looks on a background with the Yxy color 20.1912, 0.2156, 0.2963.

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

20.1912, 0.2156, 0.2963

Protanopia

20.1422, 0.2878, 0.2929

Deuteranopia

20.0310, 0.2729, 0.2662



Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Original Color

20.1912, 0.2156, 0.2963

Protanomaly

19.0814, 0.2438, 0.2914

Deuteranomaly

19.1155, 0.2369, 0.2733

Tritanomaly

20.3790, 0.2178, 0.3042

Monochromacy



Original Color

20.1912, 0.2156, 0.2963

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.9205, 0.2499, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1912, 0.2156, 0.2963 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, 137, 153)` looks like.

```
.text, #text, p{  
  color:rgb(0, 137, 153)  
}
```

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, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 153) }
```

Border

The CSS property to change the border of an element to Yxy 20.1912, 0.2156, 0.2963 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, 137, 153) }
```

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

```
.border{ border-color:rgb(0, 137, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1912, 0.2156, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 153) }
```

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

```
.background{ background-color: rgb(0, 137,  
153) }
```

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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