

Converting Colors

$Y_{xy}(11.7980, 0.2274, 0.3136)$

Have a look what the booklet for
Yxy(11.7980, 0.2274, 0.3136)
contains.

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Color

Yxy(11.8919, 0.2280, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	196B70
RGB	25, 107, 112
RGB Percent	10%, 42%, 44%
CMY	0.9019, 0.5804, 0.5608
CMYK	0.78, 0.04, 0.00, 0.56
HSL	183°, 63%, 27%
HSV	183°, 78%, 44%
XYZ	8.5829, 11.8919, 17.1697
YIQ	83.0520, -50.4770, -15.8290

Conversions

Conversions Part 2

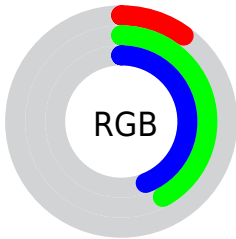
Format	Color
R_{YB}	25, 67, 112
Decimal	1665904
CIE _{Lab}	41.04, -21.56, -9.70
CIE _{LCh}	41, 23.640, 204.226
Yxy	11.8919, 0.2280, 0.3159
Android (android.graphics.Color)	4279855984 (0xFF196B70)
YUV	83.0520, 14.2714, -50.9116
Hunter-Lab	34.4846, -15.9209, -5.3808

Details

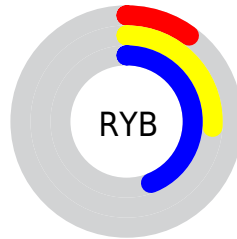
The Yxy color **11.8919, 0.2280, 0.3159** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.4431, 0.5565, 0.3377**, and the grayscale version is **8.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4079, 0.2487, 0.3202**, and **3.4981, 0.2187, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **11.6439, 0.2237, 0.3141**, and if you desaturate by 10%, it is **12.1989, 0.2340, 0.3178**.

Distribution



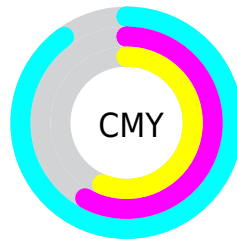
- Red (10%)
- Green (42%)
- Blue (44%)



- Red (10%)
- Yellow (26%)
- Blue (44%)



- Cyan (78%)
- Magenta (4%)
- Yellow (0%)
- Black (56%)





- Cyan (90%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8919, 0.2280, 0.3159 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 11.8919, 0.2280, 0.3159 by changing the saturation by 10% instead.


 11.8919, 0.2280,
0.3159


 11.8919, 0.2280,
0.3159


 203.6883, 0.2786,
0.3252


 6.6701, 0.2116,
0.3119


 29.2981, 0.2489,
0.3203


 3.2567, 0.1876,
0.3050

 42.2512, 0.2559,
0.3216


 1.2672, 0.1467,
0.2923

 58.5503, 0.2616,
0.3225

 0.1156, 0.0000,
0.1257

 78.5797, 0.2662,
0.3233

 0.0000, 0.0000,
0.0000

 102.7238, 0.2701,
0.3239

 131.3670, 0.2733,

0.3244

164.8937, 0.2761,
0.3248

■ 11.8919, 0.2280,
0.3159

■ 11.8919, 0.2280,
0.3159

■ 11.6439, 0.2237,
0.3141

■ 12.1989, 0.2340,
0.3178

■ 11.4364, 0.2207,
0.3122

■ 12.5696, 0.2418,
0.3196

■ 11.3888, 0.2200,
0.3118

■ 13.0099, 0.2511,
0.3214

■ 13.5244, 0.2620,
0.3232

■ 14.1176, 0.2742,
0.3249

■ 14.7934, 0.2875,
0.3264

■ 15.5556, 0.3015,
0.3279

■ 16.4076, 0.3162,
0.3293

■ 17.3527, 0.3311,
0.3306

Harmonies

Analogous

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



11.8919, 0.2590, 0.3684



11.8919, 0.2280, 0.3159



11.8919, 0.2185, 0.2734

Triad

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



11.8919, 0.2280, 0.3159



11.8919, 0.3128, 0.2627



11.8919, 0.3980, 0.4068

Complementary

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



11.8919, 0.2280, 0.3159



4.4431, 0.5565, 0.3377

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.



11.8919, 0.4166, 0.3720



11.8919, 0.2280, 0.3159



11.8919, 0.3656, 0.2924

Square

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



11.8919, 0.2280, 0.3159



11.8919, 0.2642, 0.2475



11.8919, 0.4049, 0.3311



11.8919, 0.3568, 0.4236

Rectangle

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



11.8919, 0.2280, 0.3159



11.8919, 0.2245, 0.2557



11.8919, 0.4049, 0.3311



11.8919, 0.4073, 0.3966

Sweetspot

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



11.8923, 0.2280, 0.3159



25.2695, 0.2795, 0.3255



11.8839, 0.2994, 0.5541



5.9911, 0.2757, 0.3250



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8923, 0.2280, 0.3159



20.1818, 0.2215, 0.3127



5.0606, 0.1968, 0.1927



3.7840, 0.2996, 0.3277



13.1570, 0.2199, 0.3117



65.1055, 0.2196, 0.3107

Inverse Universe

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



5.2016, 0.3306, 0.1776



8.0957, 0.3342, 0.1649



8.2600, 0.4729, 0.4232



3.4503, 0.3145, 0.3094



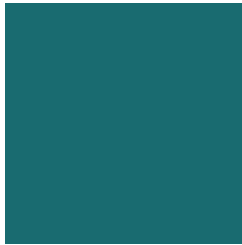
5.1740, 0.3353, 0.1621



25.7302, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 11.8919, 0.2280, 0.3159 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 11.8919, 0.2280, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

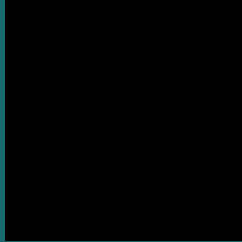
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8919, 0.2280, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 11.8919, 0.2280, 0.3159.



This preview shows how white text looks on a background with the Yxy color 11.8919, 0.2280, 0.3159.

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

11.8919, 0.2280, 0.3159

Protanopia

11.8725, 0.3004, 0.3086

Deuteranopia

11.7846, 0.2886, 0.2828



Tritanopia

12.0001, 0.2270, 0.3085

Trichromacy



Original Color

11.8919, 0.2280, 0.3159

Protanomaly

11.4991, 0.2633, 0.3093

Deuteranomaly

11.4782, 0.2577, 0.2930

Tritanomaly

11.9633, 0.2273, 0.3109

Monochromacy



Original Color

11.8919, 0.2280, 0.3159

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.4866, 0.2671, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8919, 0.2280, 0.3159 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(25, 107, 112)` looks like.

```
.text, #text, p{  
    color:rgb(25, 107, 112)  
}
```

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(25, 107, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 107, 112) }
```

Border

The CSS property to change the border of an element to Yxy 11.8919, 0.2280, 0.3159 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(25, 107, 112) }
```

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

```
.border{ border-color:rgb(25, 107, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 107, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 107, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 107, 112);  
box-shadow:4px 4px 4px 4px rgb(25, 107,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8919, 0.2280, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 107, 112) }
```

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

```
.background{ background-color: rgb(25, 107,  
112) }
```

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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