

Converting Colors

$Y_{xy}(11.7278, 0.2153, 0.2924)$

Have a look what the booklet for
Yxy(11.7278, 0.2153, 0.2924)
contains.

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Color

Yxy(11.7144, 0.2150, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	046A79
RGB	4, 106, 121
RGB Percent	2%, 42%, 47%
CMY	0.9834, 0.5843, 0.5254
CMYK	0.96, 0.12, 0.00, 0.53
HSL	188°, 93%, 25%
HSV	188°, 96%, 47%
XYZ	8.6579, 11.7144, 19.8972
YIQ	77.2120, -65.6070, -16.9590

Conversions

Conversions Part 2

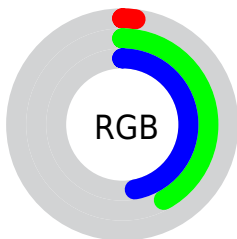
Format	Color
RYB	4, 58, 121
Decimal	289401
CIELab	40.76, -19.68, -15.63
CIELCh	41, 25.132, 218.470
Yxy	11.7144, 0.2150, 0.2909
Android (android.graphics.Color)	4278479481 (0xFF046A79)
YUV	77.2120, 21.5875, -64.2069
Hunter-Lab	34.2263, -14.7424, -10.5093

Details

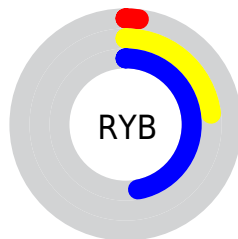
The Yxy color **11.7144, 0.2150, 0.2909** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.5497, 0.6141, 0.3429**, and the grayscale version is **7.4450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0906, 0.2388, 0.3032**, and **3.4940, 0.2089, 0.2721** is the 20% darker color. If you saturate the color by 10%, you get **11.5753, 0.2137, 0.2894**, and if you desaturate by 10%, it is **12.1243, 0.2188, 0.2952**.

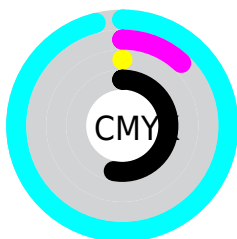
Distribution



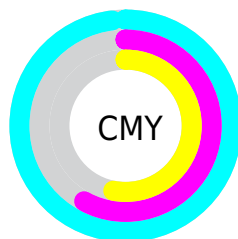
- Red (2%)
- Green (42%)
- Blue (47%)



- Red (2%)
- Yellow (23%)
- Blue (47%)



- Cyan (96%)
- Magenta (12%)
- Yellow (0%)
- Black (53%)




- Cyan (98%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7144, 0.2150, 0.2909 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 11.7144, 0.2150, 0.2909 by changing the saturation by 10% instead.


 11.7144, 0.2150,
0.2909


 11.7144, 0.2150,
0.2909

 202.5053, 0.2729,
0.3157


 6.5495, 0.1966,
0.2816


 28.9739, 0.2387,
0.3019


 3.1820, 0.1703,
0.2668

 41.8372, 0.2467,
0.3053


 1.2275, 0.1281,
0.2413

 58.0356, 0.2532,
0.3080

 0.0840, 0.0000,
0.0653

 77.9532, 0.2586,
0.3102

 0.0000, 0.0000,
0.0000

 101.9746, 0.2630,
0.3119

 130.4842, 0.2668,

0.3134

163.8663, 0.2701,
0.3146

11.7144, 0.2150,
0.2909

11.7144, 0.2150,
0.2909

11.5753, 0.2137,
0.2894

12.1243, 0.2188,
0.2952

12.5939, 0.2241,
0.2995

13.1382, 0.2312,
0.3039

13.7648, 0.2400,
0.3081

14.4800, 0.2504,
0.3123

■ 15.2895, 0.2621,
0.3163

■ 16.1986, 0.2750,
0.3201

■ 17.2122, 0.2888,
0.3237

■ 18.3347, 0.3032,
0.3270

Harmonies

Analogous

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



11.7144, 0.2371, 0.3441



11.7144, 0.2150, 0.2909



11.7144, 0.2162, 0.2553

Triad

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



11.7144, 0.2150, 0.2909



11.7144, 0.3400, 0.2720



11.7144, 0.3847, 0.4237

Complementary

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



11.7144, 0.2150, 0.2909



4.5497, 0.6141, 0.3429

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.



11.7144, 0.4178, 0.3934



11.7144, 0.2150, 0.2909



11.7144, 0.3921, 0.3086

Square

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



11.7144, 0.2150, 0.2909



11.7144, 0.2839, 0.2481



11.7144, 0.4214, 0.3515



11.7144, 0.3339, 0.4283

Rectangle

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



11.7144, 0.2150, 0.2909



11.7144, 0.2297, 0.2437



11.7144, 0.4214, 0.3515



11.7144, 0.3984, 0.4157

Sweetspot

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



11.7148, 0.2150, 0.2909



28.4558, 0.2707, 0.3189



13.7480, 0.2966, 0.5826



6.3781, 0.2663, 0.3176



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



11.7148, 0.2150, 0.2909



20.5821, 0.2134, 0.2883



3.6052, 0.1721, 0.1347



4.4287, 0.2994, 0.3262



12.3911, 0.2137, 0.2892



58.2339, 0.2131, 0.2870

Inverse Universe

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



5.1983, 0.3533, 0.1744



9.1075, 0.3558, 0.1734



9.2785, 0.4970, 0.4387



4.0691, 0.3155, 0.3106



5.4578, 0.3550, 0.1729



25.9459, 0.3570, 0.1741

Previews

White Background



This preview shows how the Yxy color 11.7144, 0.2150, 0.2909 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 11.7144, 0.2150, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

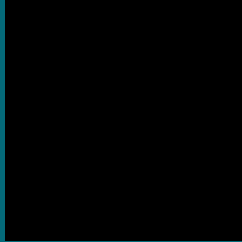
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7144, 0.2150, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 11.7144, 0.2150, 0.2909.



This preview shows how white text looks on a background with the Yxy color 11.7144, 0.2150, 0.2909.

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

11.7144, 0.2150, 0.2909

Protanopia

11.6520, 0.2843, 0.2884

Deuteranopia

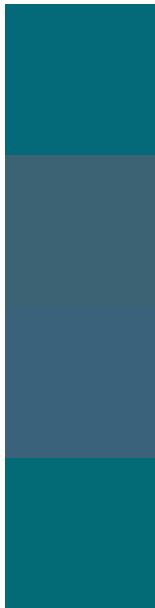
11.6343, 0.2684, 0.2633



Tritanopia

11.7532, 0.2189, 0.3081

Trichromacy



Original Color

11.7144, 0.2150, 0.2909

Protanomaly

11.1453, 0.2443, 0.2873

Deuteranomaly

11.0952, 0.2365, 0.2692

Tritanomaly

11.8127, 0.2180, 0.3031

Monochromacy



Original Color

11.7144, 0.2150, 0.2909

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4736, 0.2536, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7144, 0.2150, 0.2909 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(4, 106, 121)` looks like.

```
.text, #text, p{  
    color:rgb(4, 106, 121)  
}
```

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(4, 106, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 106, 121) }
```

Border

The CSS property to change the border of an element to Yxy 11.7144, 0.2150, 0.2909 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(4, 106, 121) }
```

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

```
.border{ border-color:rgb(4, 106, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 106, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 106, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 106, 121);  
box-shadow:4px 4px 4px 4px rgb(4, 106,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7144, 0.2150, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 106, 121) }
```

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

```
.background{ background-color: rgb(4, 106,  
121) }
```

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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