Converting Colors

Yxy(0.0754, 0.0000, 0.0384)

Have a look what the booklet for Yxy(0.0754, 0.0000, 0.0384) contains.

Yxy(0.2919, 0.1647, 0.1129) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 29

Color

Yxy(0.2919, 0.1647, 0.1129)

Conversions

Conversions Part 1

Format	Color
Hex	000726
RGB	0, 7, 38
RGB Percent	0%, 3%, 15%
CMY	1.0000, 0.9725, 0.8510
CMYK	1.00, 0.82, 0.00, 0.85
HSL	229°, 100%, 7%
HSV	229°, 100%, 15%
XYZ	0.4258, 0.2919, 1.8677
YIQ	8.4410, -14.1230, 8.1570

Conversions

Conversions Part 2

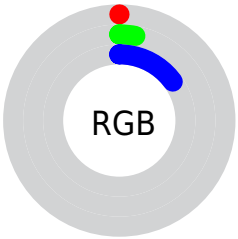
Format	Color
RYB	0, 6, 38
Decimal	1830
CIELab	2.64, 6.08, -19.45
CIELCh	3, 20.376, 287.357
Yxy	0.2919, 0.1647, 0.1129
Android (android.graphics.Color)	4278191910 (0xFF000726)
YUV	8.4410, 14.5726, -7.4028
Hunter-Lab	5.4028, 4.6139, -16.7147

Details

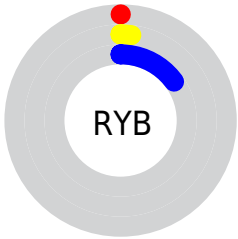
The Yxy color 0.2919, 0.1647, 0.1129 is a dark color, and the websafe version is hex 000033. A complement of this color would be 1.3921, 0.4474, 0.4830, and the grayscale version is 0.2522, 0.3127, 0.3290.

A 20% lighter version of the original color is 3.7286, 0.2397, 0.2282, and 0.0000, 0.0000, 0.0000 is the 20% darker color. If you saturate the color by 10%, you get 0.2919, 0.1647, 0.1129, and if you desaturate by 10%, it is 0.3837, 0.1829, 0.1384.

Distribution

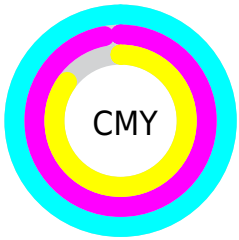


- Red (0%)
- Green (3%)
- Blue (15%)



- Red (0%)
- Yellow (2%)
- Blue (15%)

- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (85%)



- Cyan (100%)
- Magenta (97%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 0.2919, 0.1647, 0.1129 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 0.2919, 0.1647, 0.1129 by changing the saturation by 10% instead.

0.2919, 0.1647, 0.1129

0.2919, 0.1647, 0.1129

82.1402, 0.2862, 0.2897

0.0000, 0.0000, 0.0000

3.6951, 0.2402, 0.2269

7.3709, 0.2544, 0.2456

12.9162, 0.2640, 0.2586

20.7155, 0.2709, 0.2682

31.1532, 0.2762, 0.2755

44.6136, 0.2802,

0.2812

61.4811, 0.2835, 0.2858

0.2919, 0.1647, 0.1129

0.3837, 0.1829, 0.1384

0.4820, 0.1992, 0.1623

0.5934, 0.2142, 0.1861

0.7226, 0.2293, 0.2098

0.8716, 0.2446, 0.2330

1.0410, 0.2597, 0.2552

1.2317, 0.2742, 0.2760

1.4444, 0.2879, 0.2953

1.6797, 0.3008, 0.3130

Harmonies

Analogous

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

0.2919, 0.0710, 0.1229

0.2919, 0.1647, 0.1129

0.2919, 0.2854, 0.1295

Triad

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

0.2919, 0.1647, 0.1129

0.2919, 0.6779, 0.3221

0.2919, 0.0000, 0.9798

Complementary

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

0.2919, 0.1647, 0.1129

1.3921, 0.4474, 0.4830

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.

0.2919, 0.0000, 1.0000

0.2919, 0.1647, 0.1129

0.2919, 0.5696, 0.4304

Square

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

0.2919, 0.1647, 0.1129

0.2919, 0.7204, 0.2796

0.2919, 0.3066, 0.6934

0.2919, 0.0000, 0.2821

Rectangle

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

0.2919, 0.1647, 0.1129

0.2919, 0.3887, 0.1541

0.2919, 0.3066, 0.6934

0.2919, 0.0000, 1.0000

Sweetspot

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

0.2919, 0.1647, 0.1129

1.8537, 0.2715, 0.2723

1.4821, 0.2387, 0.3793

0.6183, 0.2716, 0.2724

31.8547, 0.3127, 0.3290

1.0023, 0.3127, 0.3290

Same Dimension

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

0.2919, 0.1647, 0.1129

0.4109, 0.1623, 0.1042

0.2139, 0.1930, 0.0837

0.5363, 0.3037, 0.3169

0.9457, 0.1581, 0.0890

6.0280, 0.1545, 0.0761

Inverse Universe

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

0.4274, 0.5568, 0.2841

0.6589, 0.5695, 0.2911

1.6139, 0.3782, 0.5379

0.5383, 0.3210, 0.3263

1.8105, 0.5927, 0.3039

13.7132, 0.6132, 0.3152

Previews

White Background

This preview shows how the Yxy color 0.2919, 0.1647, 0.1129 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 ✓ Pass

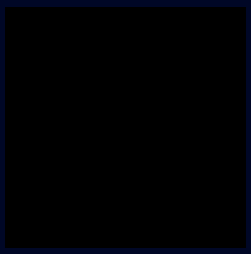
Black Background

Color Contrast Check

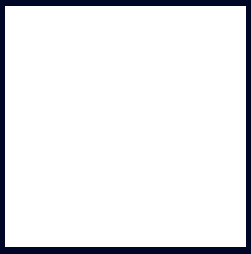
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 0.2919, 0.1647, 0.1129 Background



This preview shows how black text looks on a background with the Yxy color 0.2919, 0.1647, 0.1129.



This preview shows how white text looks on a background with the Yxy color 0.2919, 0.1647, 0.1129.

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
0.2919, 0.1647, 0.1129

Protanopia
0.3375, 0.1891, 0.2008

Tritanopia
0.3486, 0.2215, 0.3174

Trichromacy

Original Color
0.2919, 0.1647, 0.1129

Protanomaly
0.3108, 0.1782, 0.1616

Tritanomaly
0.3012, 0.1919, 0.2107

Monochromacy

Original Color
0.2919, 0.1647, 0.1129

Achromatopsia
0.2428, 0.3127, 0.3290

Achromatomaly
0.2529, 0.2280, 0.2161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 0.2919, 0.1647, 0.1129 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, 7, 38) looks like.

```
.text, #text, p{
    color:rgb(0, 7, 38)
}
```

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, 7, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 7, 38) }
```

Border

The CSS property to change the border of an element to Yxy 0.2919, 0.1647, 0.1129 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, 7, 38) }
```

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

```
.border{ border-color:rgb(0, 7, 38) }
```

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

Here you see how a box with a 4 pixel rgb(0, 7, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 7, 38); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 7, 38); box-shadow:4px 4px 4px 4px rgb(0, 7, 38) }
```

Background

The CSS property to change the background color of an element to Yxy 0.2919, 0.1647, 0.1129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 7, 38) }
```

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

```
.background{ background-color:rgb(0, 7,
38) }
```

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