

Converting Colors

$Yxy(12.1910, 0.2112, 0.2803)$

Have a look what the booklet for
Yxy(12.1910, 0.2112, 0.2803)
contains.

Yxy(12.2574, 0.2118, 0.2824)	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(12.2574, 0.2118, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	006C7F
RGB	0, 108, 127
RGB Percent	0%, 42%, 50%
CMY	0.9997, 0.5765, 0.5020
CMYK	1.00, 0.15, 0.00, 0.50
HSL	189°, 100%, 25%
HSV	189°, 100%, 50%
XYZ	9.1930, 12.2574, 21.9539
YIQ	77.8740, -70.4670, -16.9870

Conversions

Conversions Part 2

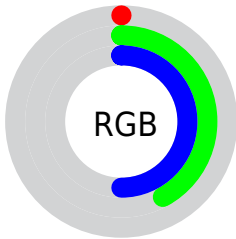
Format	Color
RYB	0, 58, 127
Decimal	27775
CIELab	41.62, -18.86, -17.93
CIELCh	42, 26.020, 223.553
Yxy	12.2574, 0.2118, 0.2824
Android (android.graphics.Color)	4278217855 (0xFF006C7F)
YUV	77.8740, 24.2191, -68.2955
Hunter-Lab	35.0106, -14.3981, -12.6713

Details

The Yxy color **12.2574, 0.2118, 0.2824** is a dark color, and the websafe version is hex **006666**, and the color name is **new bridge (shinbashi-iro)**. A complement of this color would be **4.9790, 0.6216, 0.3445**, and the grayscale version is **7.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0992, 0.2360, 0.2955**, and **3.7818, 0.2055, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **12.2545, 0.2118, 0.2824**, and if you desaturate by 10%, it is **12.7463, 0.2156, 0.2875**.

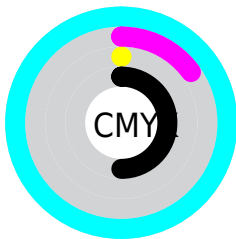
Distribution



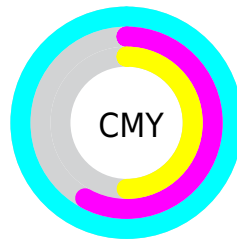
- Red (0%)
- Green (42%)
- Blue (50%)



- Red (0%)
- Yellow (23%)
- Blue (50%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (50%)




- Cyan (100%)
- Magenta (58%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2574, 0.2118, 0.2824 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 12.2574, 0.2118, 0.2824 by changing the saturation by 10% instead.


 12.2574, 0.2118,
0.2824


 12.2574, 0.2118,
0.2824


 206.1020, 0.2711,
0.3121


 6.9192, 0.1934,
0.2717


 29.9630, 0.2358,
0.2953


 3.4116, 0.1673,
0.2551

 43.0993, 0.2441,
0.2995


 1.3502, 0.1282,
0.2271

 59.6037, 0.2507,
0.3027

 0.1796, 0.0000,
0.1048

 79.8607, 0.2562,
0.3053

 0.0000, 0.0000,
0.0000

 104.2546, 0.2608,
0.3075

 133.1699, 0.2648,

0.3093

166.9909, 0.2681,
0.3108

■ 12.2574, 0.2118,
0.2824

■ 12.2574, 0.2118,
0.2824

■ 12.2545, 0.2118,
0.2824

■ 12.7463, 0.2156,
0.2875

■ 13.2891, 0.2205,
0.2926

■ 13.9144, 0.2272,
0.2977

■ 14.6312, 0.2357,
0.3028

■ 15.4469, 0.2458,
0.3078

■ 16.3684, 0.2573,
0.3126

■ 17.4017, 0.2701,
0.3171

■ 18.5525, 0.2838,
0.3214

■ 19.8260, 0.2981,
0.3254

Harmonies

Analogous

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



12.2574, 0.2303, 0.3344



12.2574, 0.2118, 0.2824



12.2574, 0.2170, 0.2499

Triad

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



12.2574, 0.2118, 0.2824



12.2574, 0.3503, 0.2765



12.2574, 0.3781, 0.4286

Complementary

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



12.2574, 0.2118, 0.2824



4.9790, 0.6216, 0.3445

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.



12.2574, 0.4159, 0.4008



12.2574, 0.2118, 0.2824



12.2574, 0.4009, 0.3153

Square

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



12.2574, 0.2118, 0.2824



12.2574, 0.2925, 0.2497



12.2574, 0.4254, 0.3593



12.2574, 0.3247, 0.4277

Rectangle

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



12.2574, 0.2118, 0.2824



12.2574, 0.2333, 0.2407



12.2574, 0.4254, 0.3593



12.2574, 0.3931, 0.4218

Sweetspot

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



12.2578, 0.2118, 0.2824



31.0190, 0.2691, 0.3168



15.2154, 0.2961, 0.5859



7.1043, 0.2644, 0.3152



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.2578, 0.2118, 0.2824



21.7809, 0.2115, 0.2812



3.5349, 0.1674, 0.1225



4.7807, 0.2993, 0.3257



12.3610, 0.2118, 0.2823



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5954, 0.3612, 0.1764



10.0018, 0.3624, 0.1770



10.3151, 0.4991, 0.4418



4.4017, 0.3158, 0.3109



5.6424, 0.3613, 0.1764



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.2574, 0.2118, 0.2824 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 12.2574, 0.2118, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

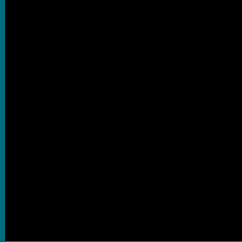
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2574, 0.2118, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 12.2574, 0.2118, 0.2824.

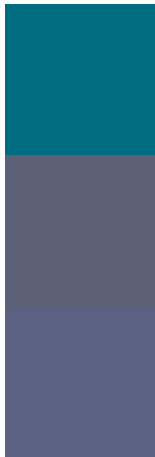


This preview shows how white text looks on a background with the Yxy color 12.2574, 0.2118, 0.2824.

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

12.2574, 0.2118, 0.2824

Protanopia

12.2085, 0.2786, 0.2807

Deuteranopia

12.3348, 0.2625, 0.2586



Tritanopia

12.2453, 0.2183, 0.3059

Trichromacy



Original Color

12.2574, 0.2118, 0.2824

Protanomaly

11.6423, 0.2388, 0.2789

Deuteranomaly

11.7622, 0.2312, 0.2640

Tritanomaly

12.3178, 0.2163, 0.2987

Monochromacy



Original Color

12.2574, 0.2118, 0.2824

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.6674, 0.2496, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2574, 0.2118, 0.2824 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, 108, 127)` looks like.

```
.text, #text, p{  
  color:rgb(0, 108, 127)  
}
```

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, 108, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 127) }
```

Border

The CSS property to change the border of an element to Yxy 12.2574, 0.2118, 0.2824 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, 108, 127) }
```

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

```
.border{ border-color:rgb(0, 108, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2574, 0.2118, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 127) }
```

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

```
.background{ background-color: rgb(0, 108,  
127) }
```

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