

Converting Colors

$Y_{xy}(10.5728, 0.2147, 0.2929)$

Have a look what the booklet for
Yxy(10.5728, 0.2147, 0.2929)
contains.

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Color

Yxy(10.5452, 0.2144, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	006573
RGB	0, 101, 115
RGB Percent	0%, 40%, 45%
CMY	0.9999, 0.6039, 0.5490
CMYK	1.00, 0.12, 0.00, 0.55
HSL	187°, 100%, 23%
HSV	187°, 100%, 45%
XYZ	7.7481, 10.5452, 17.8452
YIQ	72.3970, -64.6900, -17.0580

Conversions

Conversions Part 2

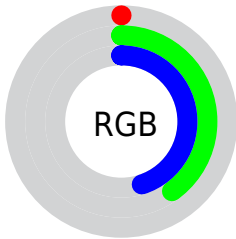
Format	Color
RYB	0, 54, 115
Decimal	25971
CIELab	38.80, -19.42, -14.96
CIELCh	39, 24.518, 217.604
Yxy	10.5452, 0.2144, 0.2918
Android (android.graphics.Color)	4278216051 (0xFF006573)
YUV	72.3970, 21.0033, -63.4922
Hunter-Lab	32.4734, -14.2387, -9.8504

Details

The Yxy color **10.5452, 0.2144, 0.2918** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9592, 0.6246, 0.3422**, and the grayscale version is **6.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7423, 0.2386, 0.3023**, and **3.0436, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **10.5448, 0.2144, 0.2918**, and if you desaturate by 10%, it is **10.8943, 0.2181, 0.2959**.

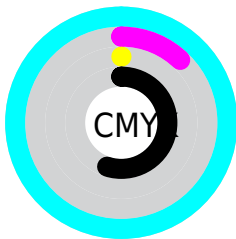
Distribution



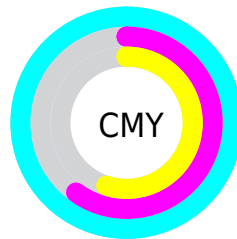
- Red (0%)
- Green (40%)
- Blue (45%)



- Red (0%)
- Yellow (21%)
- Blue (45%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5452, 0.2144, 0.2918 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 10.5452, 0.2144, 0.2918 by changing the saturation by 10% instead.


 10.5452, 0.2144,
0.2918


 10.5452, 0.2144,
0.2918

194.5202, 0.2735,
0.3164


 5.7619, 0.1952,
0.2822


 26.8160, 0.2389,
0.3028


 2.7009, 0.1672,
0.2667


 39.0724, 0.2471,
0.3063

 0.9776, 0.1117,
0.2415

 54.5885, 0.2537,
0.3089

 0.0000, 0.0000,
0.0000

 73.7489, 0.2591,
0.3110

 96.9378, 0.2636,
0.3127

 124.5398, 0.2674,

0.3141

156.9391, 0.2707,
0.3153

10.5452, 0.2144,
0.2918

10.5452, 0.2144,
0.2918

10.5448, 0.2144,
0.2918

10.8943, 0.2181,
0.2959

11.2808, 0.2228,
0.2999

11.7309, 0.2292,
0.3040

12.2514, 0.2373,
0.3080

12.8482, 0.2470,
0.3120

■ 13.5265, 0.2582,
0.3158

■ 14.2912, 0.2707,
0.3194

■ 15.1465, 0.2841,
0.3229

■ 16.0965, 0.2982,
0.3261

Harmonies

Analogous

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



10.5452, 0.2374, 0.3459



10.5452, 0.2144, 0.2918



10.5452, 0.2150, 0.2553

Triad

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



10.5452, 0.2144, 0.2918



10.5452, 0.3385, 0.2706



10.5452, 0.3867, 0.4241

Complementary

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



10.5452, 0.2144, 0.2918



3.9592, 0.6246, 0.3422

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.



10.5452, 0.4194, 0.3928



10.5452, 0.2144, 0.2918



10.5452, 0.3917, 0.3072

Square

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



10.5452, 0.2144, 0.2918



10.5452, 0.2821, 0.2469



10.5452, 0.4221, 0.3504



10.5452, 0.3357, 0.4297

Rectangle

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



10.5452, 0.2144, 0.2918



10.5452, 0.2281, 0.2432



10.5452, 0.4221, 0.3504



10.5452, 0.4003, 0.4157

Sweetspot

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



10.5456, 0.2144, 0.2918



25.4764, 0.2696, 0.3191



12.2908, 0.2964, 0.5870



5.9653, 0.2654, 0.3179



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.5456, 0.2144, 0.2918



18.7565, 0.2141, 0.2908



3.0465, 0.1692, 0.1289



4.0829, 0.2995, 0.3263



12.0355, 0.2143, 0.2915



57.8114, 0.2137, 0.2894

Inverse Universe

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



4.5847, 0.3527, 0.1717



8.1965, 0.3536, 0.1722



8.1413, 0.5026, 0.4391



3.7506, 0.3153, 0.3106



5.2390, 0.3529, 0.1718



25.4455, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 10.5452, 0.2144, 0.2918 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 10.5452, 0.2144, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

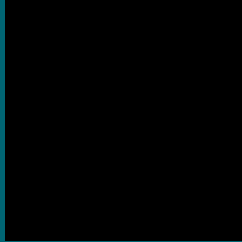
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5452, 0.2144, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 10.5452, 0.2144, 0.2918.

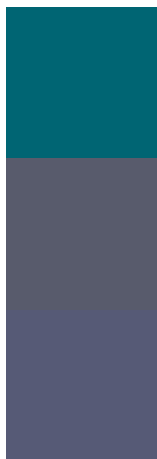


This preview shows how white text looks on a background with the Yxy color 10.5452, 0.2144, 0.2918.

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

10.5452, 0.2144, 0.2918

Protanopia

10.6396, 0.2846, 0.2891

Deuteranopia

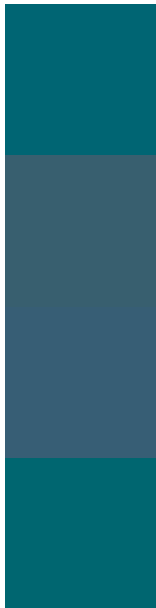
10.5988, 0.2692, 0.2651



Tritanopia

10.6285, 0.2187, 0.3072

Trichromacy



Original Color

10.5452, 0.2144, 0.2918

Protanomaly

10.1729, 0.2433, 0.2881

Deuteranomaly

10.1020, 0.2362, 0.2715

Tritanomaly

10.6726, 0.2172, 0.3021

Monochromacy



Original Color

10.5452, 0.2144, 0.2918

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4719, 0.2512, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5452, 0.2144, 0.2918 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, 101, 115)` looks like.

```
.text, #text, p{  
  color:rgb(0, 101, 115)  
}
```

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, 101, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 115) }
```

Border

The CSS property to change the border of an element to Yxy 10.5452, 0.2144, 0.2918 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, 101, 115) }
```

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

```
.border{ border-color:rgb(0, 101, 115) }
```

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

Here you see how a box with a 4 pixel rgb(0, 101, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5452, 0.2144, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 115) }
```

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

```
.background{ background-color: rgb(0, 101,  
115) }
```

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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