

Converting Colors

$Y_{xy}(8.3282, 0.1100, 0.2813)$

Have a look what the booklet for
Yxy(8.3282, 0.1100, 0.2813)
contains.

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Color

Yxy(10.7637, 0.2145, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	006674
RGB	0, 102, 116
RGB Percent	0%, 40%, 45%
CMY	0.9996, 0.6000, 0.5451
CMYK	1.00, 0.12, 0.00, 0.55
HSL	187°, 100%, 23%
HSV	187°, 100%, 45%
XYZ	7.9042, 10.7637, 18.1815
YIQ	73.0980, -65.2860, -17.2700

Conversions

Conversions Part 2

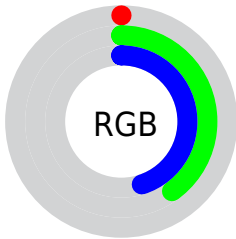
Format	Color
RYB	0, 54, 116
Decimal	26228
CIELab	39.18, -19.60, -15.00
CIELCh	39, 24.678, 217.422
Yxy	10.7637, 0.2145, 0.2921
Android (android.graphics.Color)	4278216308 (0xFF006674)
YUV	73.0980, 21.1507, -64.1069
Hunter-Lab	32.8081, -14.4096, -9.8915

Details

The Yxy color **10.7637, 0.2145, 0.2921** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.0293, 0.6247, 0.3420**, and the grayscale version is **6.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1461, 0.2389, 0.3025**, and **3.1497, 0.2094, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **10.7610, 0.2145, 0.2921**, and if you desaturate by 10%, it is **11.1171, 0.2181, 0.2961**.

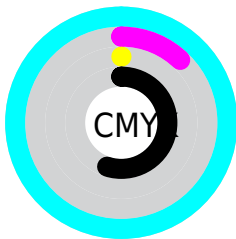
Distribution



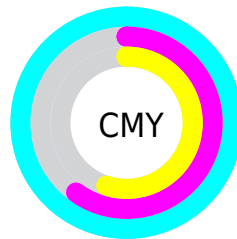
- Red (0%)
- Green (40%)
- Blue (45%)



- 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 10.7637, 0.2145, 0.2921 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 10.7637, 0.2145, 0.2921 by changing the saturation by 10% instead.

10.7637, 0.2145,
0.2921

10.7637, 0.2145,
0.2921

196.0391, 0.2734,
0.3164

5.9082, 0.1954,
0.2827

27.2224, 0.2388,
0.3030

2.7893, 0.1678,
0.2674

39.5943, 0.2470,
0.3064

1.0228, 0.1154,
0.2422

55.2405, 0.2536,
0.3090

0.0000, 0.0000,
0.0000


74.5453, 0.2590,
0.3111

97.8932, 0.2635,
0.3128


125.6686, 0.2673,


0.3142


 158.2557, 0.2705,
0.3154


 10.7637, 0.2145,
0.2921

 10.7637, 0.2145,
0.2921


 10.7610, 0.2145,
0.2921

 11.1171, 0.2181,
0.2961

 11.5091, 0.2228,
0.3001

 11.9659, 0.2292,
0.3042

 12.4945, 0.2373,
0.3082

 13.1010, 0.2471,
0.3121

■ 13.7906, 0.2583,
0.3159

■ 14.5681, 0.2707,
0.3195

■ 15.4382, 0.2841,
0.3229

■ 16.4049, 0.2983,
0.3261

Harmonies

Analogous

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



10.7637, 0.2376, 0.3462



10.7637, 0.2145, 0.2921



10.7637, 0.2149, 0.2554

Triad

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



10.7637, 0.2145, 0.2921



10.7637, 0.3382, 0.2704



10.7637, 0.3869, 0.4239

Complementary

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



10.7637, 0.2145, 0.2921



4.0293, 0.6247, 0.3420

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.



10.7637, 0.4195, 0.3925



10.7637, 0.2145, 0.2921



10.7637, 0.3914, 0.3069

Square

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



10.7637, 0.2145, 0.2921



10.7637, 0.2818, 0.2468



10.7637, 0.4220, 0.3501



10.7637, 0.3360, 0.4298

Rectangle

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



10.7637, 0.2145, 0.2921



10.7637, 0.2280, 0.2433



10.7637, 0.4220, 0.3501



10.7637, 0.4005, 0.4155

Sweetspot

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



10.7641, 0.2145, 0.2921



25.4898, 0.2696, 0.3192



12.5204, 0.2964, 0.5870



5.9688, 0.2654, 0.3180



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.



10.7641, 0.2145, 0.2921



18.7963, 0.2142, 0.2911



3.1022, 0.1692, 0.1288



4.0835, 0.2995, 0.3264



12.0605, 0.2144, 0.2918



57.9390, 0.2138, 0.2897

Inverse Universe

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



4.6740, 0.3524, 0.1716



8.2005, 0.3533, 0.1720



8.2917, 0.5026, 0.4390



3.7507, 0.3153, 0.3105



5.2415, 0.3527, 0.1716



25.4584, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 10.7637, 0.2145, 0.2921 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 10.7637, 0.2145, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

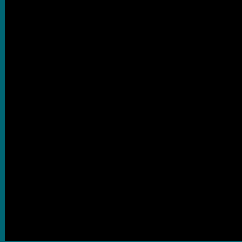
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7637, 0.2145, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 10.7637, 0.2145, 0.2921.

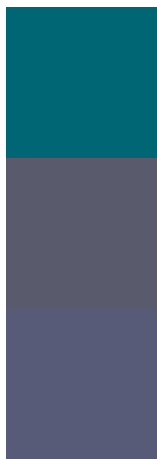


This preview shows how white text looks on a background with the Yxy color 10.7637, 0.2145, 0.2921.

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

10.7637, 0.2145, 0.2921

Protanopia

10.7101, 0.2847, 0.2871

Deuteranopia

10.8403, 0.2696, 0.2656



Tritanopia

10.8482, 0.2187, 0.3074

Trichromacy



Original Color

10.7637, 0.2145, 0.2921

Protanomaly

10.2241, 0.2433, 0.2858

Deuteranomaly

10.3046, 0.2358, 0.2719

Tritanomaly

10.8928, 0.2173, 0.3023

Monochromacy



Original Color

10.7637, 0.2145, 0.2921

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.6428, 0.2505, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7637, 0.2145, 0.2921 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, 102, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 116)  
}
```

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, 102, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 116) }
```

Border

The CSS property to change the border of an element to Yxy 10.7637, 0.2145, 0.2921 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, 102, 116) }
```

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

```
.border{ border-color:rgb(0, 102, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7637, 0.2145, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 116) }
```

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

```
.background{ background-color: rgb(0, 102,  
116) }
```

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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