

Converting Colors

$Y_{xy}(7.6493, 0.0729, 0.3150)$

Have a look what the booklet for
Yxy(7.6493, 0.0729, 0.3150)
contains.

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Color

$Y_{xy}(10.5227, 0.2224, 0.3205)$

Conversions

Conversions Part 1

Format	Color
Hex	006669
RGB	0, 102, 105
RGB Percent	0%, 40%, 41%
CMY	0.9995, 0.6000, 0.5883
CMYK	1.00, 0.03, 0.00, 0.59
HSL	182°, 100%, 21%
HSV	182°, 100%, 41%
XYZ	7.3019, 10.5227, 15.0076
YIQ	71.8440, -61.7550, -20.6910

Conversions

Conversions Part 2

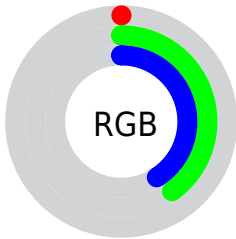
Format	Color
RYB	0, 52, 105
Decimal	26217
CIELab	38.76, -23.50, -8.89
CIELCh	39, 25.126, 200.719
Yxy	10.5227, 0.2224, 0.3205
Android (android.graphics.Color)	4278216297 (0xFF006669)
YUV	71.8440, 16.3459, -63.0072
Hunter-Lab	32.4387, -16.5879, -4.7231

Details

The Yxy color **10.5227, 0.2224, 0.3205** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.0707, 0.6356, 0.3331**, and the grayscale version is **6.4387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6386, 0.2454, 0.3233**, and **2.9438, 0.2195, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **10.5214, 0.2224, 0.3205**, and if you desaturate by 10%, it is **10.6498, 0.2252, 0.3214**.

Distribution



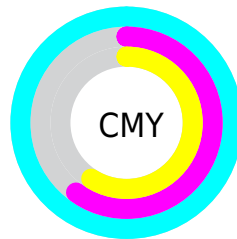
- Red (0%)
- Green (40%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (59%)





- Cyan (100%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5227, 0.2224, 0.3205 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 10.5227, 0.2224, 0.3205 by changing the saturation by 10% instead.


 10.5227, 0.2224,
0.3205


 10.5227, 0.2224,
0.3205


194.3630, 0.2771,
0.3272


 5.7469, 0.2041,
0.3171

 26.7741, 0.2453,
0.3239


 2.6918, 0.1770,
0.3107


 39.0185, 0.2529,
0.3248

 0.9730, 0.1093,
0.3050

 54.5212, 0.2590,
0.3255


 0.0000, 0.0000,
0.0000


 73.6666, 0.2640,
0.3260

 96.8391, 0.2681,
0.3264


 124.4230, 0.2716,


0.3267

 156.8029, 0.2746,
0.3270

 10.5227, 0.2224,
0.3205


 10.5227, 0.2224,
0.3205


 10.5214, 0.2224,
0.3205

 10.6498, 0.2252,
0.3214

 10.8012, 0.2289,
0.3223

 11.0009, 0.2342,
0.3232

 11.2543, 0.2413,
0.3241

 11.5660, 0.2500,
0.3250

■ 11.9402, 0.2603,
0.3259

■ 12.3805, 0.2719,
0.3267

■ 12.8905, 0.2848,
0.3275

■ 13.4734, 0.2985,
0.3283

Harmonies

Analogous

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



10.5227, 0.2585, 0.3794



10.5227, 0.2224, 0.3205



10.5227, 0.2095, 0.2717

Triad

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



10.5227, 0.2224, 0.3205



10.5227, 0.3057, 0.2537



10.5227, 0.4105, 0.4104

Complementary

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



10.5227, 0.2224, 0.3205



3.0707, 0.6356, 0.3331

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.



10.5227, 0.4279, 0.3702



10.5227, 0.2224, 0.3205



10.5227, 0.3646, 0.2843

Square

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



10.5227, 0.2224, 0.3205



10.5227, 0.2539, 0.2391



10.5227, 0.4112, 0.3254



10.5227, 0.3669, 0.4332

Rectangle

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



10.5227, 0.2224, 0.3205



10.5227, 0.2142, 0.2509



10.5227, 0.4112, 0.3254



10.5227, 0.4198, 0.3982

Sweetspot

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



10.5231, 0.2224, 0.3205



22.0900, 0.2707, 0.3266



10.1058, 0.2994, 0.5978



5.1163, 0.2671, 0.3264



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.5231, 0.2224, 0.3205



18.8140, 0.2223, 0.3203



3.3721, 0.1782, 0.1612



3.4778, 0.2997, 0.3284



13.3160, 0.2223, 0.3204



67.6245, 0.2222, 0.3199

Inverse Universe

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



3.9648, 0.3278, 0.1580



7.0926, 0.3280, 0.1580



5.6702, 0.5283, 0.4185



3.1625, 0.3141, 0.3090



5.0166, 0.3279, 0.1580



25.5390, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 10.5227, 0.2224, 0.3205 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 10.5227, 0.2224, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

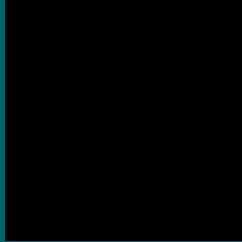
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.5227, 0.2224, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 10.5227, 0.2224, 0.3205.



This preview shows how white text looks on a background with the Yxy color 10.5227, 0.2224, 0.3205.

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

10.5227, 0.2224, 0.3205

Protanopia

10.5882, 0.3026, 0.3123

Deuteranopia

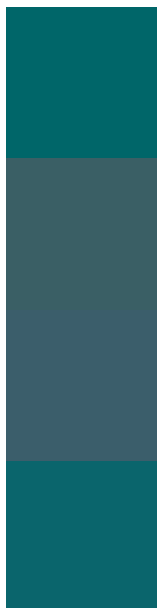
10.5028, 0.2902, 0.2850



Tritanopia

10.5347, 0.2217, 0.3046

Trichromacy



Original Color

10.5227, 0.2224, 0.3205

Protanomaly

10.0235, 0.2556, 0.3130

Deuteranomaly

9.9968, 0.2499, 0.2953

Tritanomaly

10.4546, 0.2218, 0.3098

Monochromacy



Original Color

10.5227, 0.2224, 0.3205

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4074, 0.2560, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5227, 0.2224, 0.3205 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 105) }
```

Border

The CSS property to change the border of an element to Yxy 10.5227, 0.2224, 0.3205 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, 105) }
```

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

```
.border{ border-color:rgb(0, 102, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5227, 0.2224, 0.3205 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, 105) }
```

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

```
.background{ background-color: rgb(0, 102,  
105) }
```

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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