

Converting Colors

$Y_{xy}(10.4352, 0.2258, 0.3328)$

Have a look what the booklet for
Yxy(10.4352, 0.2258, 0.3328)
contains.

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Color

Yxy(10.4423, 0.2254, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	006665
RGB	0, 102, 101
RGB Percent	0%, 40%, 40%
CMY	1.0000, 0.6000, 0.6039
CMYK	1.00, 0.00, 0.01, 0.60
HSL	179°, 100%, 20%
HSV	179°, 100%, 40%
XYZ	7.1001, 10.4423, 13.9577
YIQ	71.3880, -60.4710, -21.9350

Conversions

Conversions Part 2

Format	Color
RYB	0, 51, 102
Decimal	26213
CIELab	38.62, -24.87, -6.66
CIELCh	39, 25.751, 194.995
Yxy	10.4423, 0.2254, 0.3315
Android (android.graphics.Color)	4278216293 (0xFF006665)
YUV	71.3880, 14.5987, -62.6073
Hunter-Lab	32.3145, -17.3305, -2.9891

Details

The Yxy color **10.4423, 0.2254, 0.3315** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8271, 0.6380, 0.3288**, and the grayscale version is **6.3534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4659, 0.2474, 0.3306**, and **2.9047, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **10.4432, 0.2254, 0.3315**, and if you desaturate by 10%, it is **10.5110, 0.2280, 0.3312**.

Distribution



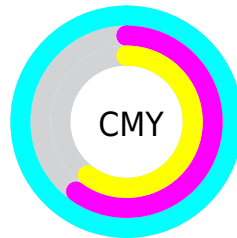
- Red (0%)
- Green (40%)
- Blue (40%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (60%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4423, 0.2254, 0.3315 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 10.4423, 0.2254, 0.3315 by changing the saturation by 10% instead.


 10.4423, 0.2254,
0.3315


 10.4423, 0.2254,
0.3315


193.8003, 0.2786,
0.3312


 5.6932, 0.2074,
0.3307

 26.6242, 0.2477,
0.3318


 2.6594, 0.1806,
0.3283


 38.8257, 0.2551,
0.3318

 0.9566, 0.1046,
0.3333

 54.2802, 0.2610,
0.3317


 0.0000, 0.0000,
0.0000


 73.3720, 0.2658,
0.3316

 96.4855, 0.2698,
0.3315


 124.0051, 0.2732,


0.3314


 156.3153, 0.2761,
0.3313

 10.4423, 0.2254,
0.3315


 10.4423, 0.2254,
0.3315


 10.4432, 0.2254,
0.3315

 10.5110, 0.2280,
0.3312

 10.6001, 0.2313,
0.3309

 10.7342, 0.2362,
0.3307

 10.9183, 0.2429,
0.3304

 11.1568, 0.2512,
0.3301

■ 11.4534, 0.2611,
0.3299

■ 11.8116, 0.2725,
0.3296

■ 12.2348, 0.2850,
0.3294

■ 12.7258, 0.2985,
0.3292

Harmonies

Analogous

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



10.4423, 0.2663, 0.3916



10.4423, 0.2254, 0.3315



10.4423, 0.2076, 0.2780

Triad

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



10.4423, 0.2254, 0.3315



10.4423, 0.2943, 0.2476



10.4423, 0.4189, 0.4053

Complementary

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



10.4423, 0.2254, 0.3315



2.8271, 0.6380, 0.3288

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.



10.4423, 0.4306, 0.3623



10.4423, 0.2254, 0.3315



10.4423, 0.3547, 0.2761

Square

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



10.4423, 0.2254, 0.3315



10.4423, 0.2441, 0.2362



10.4423, 0.4067, 0.3166



10.4423, 0.3782, 0.4337

Rectangle

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



10.4423, 0.2254, 0.3315



10.4423, 0.2093, 0.2538



10.4423, 0.4067, 0.3166



10.4423, 0.4265, 0.3919

Sweetspot

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



10.4432, 0.2254, 0.3315



20.6554, 0.2714, 0.3296



9.5143, 0.3007, 0.5994



4.8271, 0.2680, 0.3297



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.4432, 0.2254, 0.3315



18.3131, 0.2254, 0.3316



3.4784, 0.1812, 0.1723



3.1848, 0.3000, 0.3292



13.4113, 0.2254, 0.3315



69.9392, 0.2255, 0.3317

Inverse Universe

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



2.8271, 0.6380, 0.3288



4.9569, 0.6386, 0.3291



5.0469, 0.5374, 0.4115



2.8469, 0.3270, 0.3288



3.6303, 0.6383, 0.3290



18.9266, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 10.4423, 0.2254, 0.3315 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 10.4423, 0.2254, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

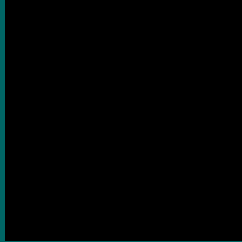
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4423, 0.2254, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 10.4423, 0.2254, 0.3315.



This preview shows how white text looks on a background with the Yxy color 10.4423, 0.2254, 0.3315.

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

10.4423, 0.2254, 0.3315

Protanopia

10.3958, 0.3100, 0.3194

Deuteranopia

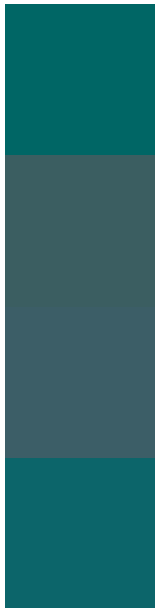
10.5239, 0.2987, 0.2942



Tritanopia

10.5499, 0.2238, 0.3073

Trichromacy



Original Color

10.4423, 0.2254, 0.3315

Protanomaly

9.7983, 0.2607, 0.3208

Deuteranomaly

9.9453, 0.2553, 0.3053

Tritanomaly

10.4261, 0.2238, 0.3151

Monochromacy



Original Color

10.4423, 0.2254, 0.3315

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.2017, 0.2567, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4423, 0.2254, 0.3315 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 101) }
```

Border

The CSS property to change the border of an element to Yxy 10.4423, 0.2254, 0.3315 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, 101) }
```

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

```
.border{ border-color:rgb(0, 102, 101) }
```

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, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4423, 0.2254, 0.3315 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, 101) }
```

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

```
.background{ background-color: rgb(0, 102,  
101) }
```

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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