

Converting Colors

$Y_{xy}(8.3855, 0.1409, 0.3919)$

Have a look what the booklet for
Yxy(8.3855, 0.1409, 0.3919)
contains.

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Color

$\text{Yxy}(10.1586, 0.2388, 0.3795)$

Conversions

Conversions Part 1

Format	Color
Hex	006655
RGB	0, 102, 85
RGB Percent	0%, 40%, 33%
CMY	0.9994, 0.6000, 0.6667
CMYK	1.00, 0.00, 0.17, 0.60
HSL	170°, 100%, 20%
HSV	170°, 100%, 40%
XYZ	6.3923, 10.1586, 10.2175
YIQ	69.5640, -55.3350, -26.9110

Conversions

Conversions Part 2

Format	Color
RYB	0, 56, 102
Decimal	26197
CIELab	38.13, -29.97, 2.44
CIELCh	38, 30.065, 175.354
Yxy	10.1586, 0.2388, 0.3795
Android (android.graphics.Color)	4278216277 (0xFF006655)
YUV	69.5640, 7.6099, -61.0076
Hunter-Lab	31.8726, -19.9774, 3.3040

Details

The Yxy color **10.1586, 0.2388, 0.3795** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8689, 0.6037, 0.3102**, and the grayscale version is **6.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2001, 0.2583, 0.3653**, and **2.7915, 0.2449, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **10.1576, 0.2388, 0.3796**, and if you desaturate by 10%, it is **10.2522, 0.2402, 0.3738**.

Distribution



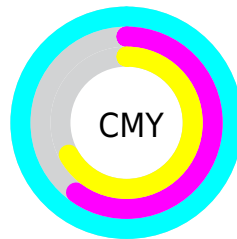
- Red (0%)
- Green (40%)
- Blue (33%)



- Red (0%)
- Yellow (22%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1586, 0.2388, 0.3795 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 10.1586, 0.2388, 0.3795 by changing the saturation by 10% instead.

10.1586, 0.2388,
0.3795

10.1586, 0.2388,
0.3795

191.8003, 0.2849,
0.3476

5.5042, 0.2223,
0.3913

26.0934, 0.2586,
0.3656

2.5460, 0.1967,
0.4100

38.1426, 0.2650,
0.3612

0.8996, 0.0674,
0.4910

53.4256, 0.2701,
0.3577


0.0000, 0.0000,
0.0000


72.3267, 0.2742,
0.3549


95.2303, 0.2775,
0.3526


122.5208, 0.2804,

0.3507


 154.5827, 0.2828,
0.3490

 10.1586, 0.2388,
0.3795

 10.1586, 0.2388,
0.3795


 10.1576, 0.2388,
0.3796

 10.2522, 0.2402,
0.3738

 10.3680, 0.2425,
0.3682

 10.5296, 0.2465,
0.3626

 10.7419, 0.2522,
0.3571

 11.0093, 0.2595,
0.3517

■ 11.3355, 0.2682,
0.3465

■ 11.7241, 0.2781,
0.3416

■ 12.1784, 0.2890,
0.3371

■ 12.7012, 0.3007,
0.3328

Harmonies

Analogous

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



10.1586, 0.2988, 0.4400



10.1586, 0.2388, 0.3795



10.1586, 0.2011, 0.3067

Triad

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



10.1586, 0.2388, 0.3795



10.1586, 0.2504, 0.2242



10.1586, 0.4507, 0.3835

Complementary

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



10.1586, 0.2388, 0.3795



2.8689, 0.6037, 0.3102

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.



10.1586, 0.4380, 0.3311



10.1586, 0.2388, 0.3795



10.1586, 0.3145, 0.2445

Square

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



10.1586, 0.2388, 0.3795



10.1586, 0.2078, 0.2257



10.1586, 0.3856, 0.2823



10.1586, 0.4224, 0.4308

Rectangle

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



10.1586, 0.2388, 0.3795



10.1586, 0.1913, 0.2676



10.1586, 0.3856, 0.2823



10.1586, 0.4513, 0.3661

Sweetspot

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



10.1590, 0.2388, 0.3795



20.4888, 0.2771, 0.3421



9.6392, 0.3086, 0.5929



4.7843, 0.2741, 0.3435



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.



10.1590, 0.2388, 0.3795



17.8017, 0.2392, 0.3811



5.3089, 0.1969, 0.2285



3.1778, 0.3018, 0.3325



13.0416, 0.2390, 0.3803



67.9087, 0.2399, 0.3837

Inverse Universe

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



2.8689, 0.6037, 0.3102



5.0125, 0.6102, 0.3135



3.8798, 0.5819, 0.3758



2.8532, 0.3248, 0.3256



3.6755, 0.6071, 0.3118



19.0777, 0.6188, 0.3182

Previews

White Background



This preview shows how the Yxy color 10.1586, 0.2388, 0.3795 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 10.1586, 0.2388, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

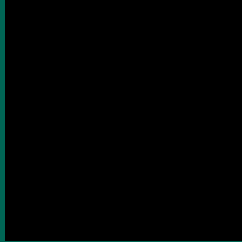
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1586, 0.2388, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 10.1586, 0.2388, 0.3795.

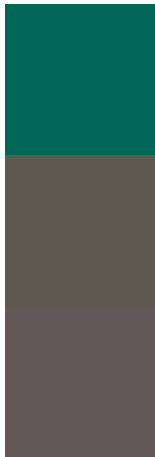


This preview shows how white text looks on a background with the Yxy color 10.1586, 0.2388, 0.3795.

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

10.1586, 0.2388, 0.3795

Protanopia

10.0745, 0.3381, 0.3562

Deuteranopia

10.1736, 0.3312, 0.3267



Tritanopia

10.2464, 0.2285, 0.3072

Trichromacy



Original Color

10.1586, 0.2388, 0.3795

Protanomaly

9.5601, 0.2811, 0.3655

Deuteranomaly

9.3992, 0.2770, 0.3427

Tritanomaly

10.1536, 0.2311, 0.3316

Monochromacy



Original Color

10.1586, 0.2388, 0.3795

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1005, 0.2656, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1586, 0.2388, 0.3795 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 85) }
```

Border

The CSS property to change the border of an element to Yxy 10.1586, 0.2388, 0.3795 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, 85) }
```

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

```
.border{ border-color:rgb(0, 102, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1586, 0.2388, 0.3795 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, 85) }
```

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

```
.background{ background-color: rgb(0, 102,  
85) }
```

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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