

Converting Colors

$Yxy(10.1824, 0.2375, 0.3749)$

Have a look what the booklet for
Yxy(10.1824, 0.2375, 0.3749)
contains.

Yxy(10.1746, 0.2379, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.1746, 0.2379, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	006656
RGB	0, 102, 86
RGB Percent	0%, 40%, 34%
CMY	0.9999, 0.6000, 0.6628
CMYK	1.00, 0.00, 0.16, 0.60
HSL	171°, 100%, 20%
HSV	171°, 100%, 40%
XYZ	6.4308, 10.1746, 10.4260
YIQ	69.6780, -55.6560, -26.6000

Conversions

Conversions Part 2

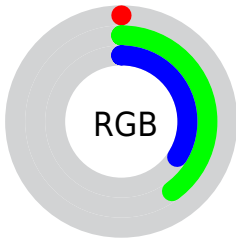
Format	Color
RYB	0, 55, 102
Decimal	26198
CIELab	38.15, -29.68, 1.87
CIELCh	38, 29.740, 176.395
Yxy	10.1746, 0.2379, 0.3764
Android (android.graphics.Color)	4278216278 (0xFF006656)
YUV	69.6780, 8.0467, -61.1076
Hunter-Lab	31.8976, -19.8342, 2.9490

Details

The Yxy color **10.1746, 0.2379, 0.3764** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8630, 0.6067, 0.3116**, and the grayscale version is **6.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2284, 0.2576, 0.3633**, and **2.7984, 0.2434, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **10.1748, 0.2379, 0.3764**, and if you desaturate by 10%, it is **10.2669, 0.2394, 0.3711**.

Distribution



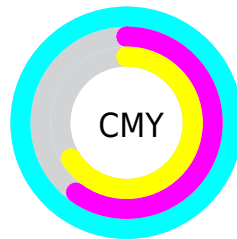
- Red (0%)
- Green (40%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (60%)




- Cyan (100%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1746, 0.2379, 0.3764 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 10.1746, 0.2379, 0.3764 by changing the saturation by 10% instead.


 10.1746, 0.2379,
0.3764


 10.1746, 0.2379,
0.3764


 191.9137, 0.2844,
0.3466


 5.5149, 0.2213,
0.3873

 26.1234, 0.2579,
0.3635


 2.5524, 0.1957,
0.4045


 38.1812, 0.2644,
0.3593

 0.9028, 0.0706,
0.4781

 53.4739, 0.2695,
0.3561


 0.0000, 0.0000,
0.0000


 72.3859, 0.2736,
0.3534


 95.3014, 0.2770,
0.3513


 122.6050, 0.2799,


0.3495


 154.6809, 0.2823,
0.3479

 10.1746, 0.2379,
0.3764

 10.1746, 0.2379,
0.3764


 10.1748, 0.2379,
0.3764

 10.2669, 0.2394,
0.3711

 10.3809, 0.2418,
0.3658

 10.5404, 0.2458,
0.3606

 10.7506, 0.2515,
0.3554

 11.0157, 0.2589,
0.3504

■ 11.3396, 0.2676,
0.3455

■ 11.7257, 0.2776,
0.3409

■ 12.1773, 0.2886,
0.3366

■ 12.6975, 0.3004,
0.3326

Harmonies

Analogous

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



10.1746, 0.2968, 0.4372



10.1746, 0.2379, 0.3764



10.1746, 0.2014, 0.3048

Triad

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



10.1746, 0.2379, 0.3764



10.1746, 0.2529, 0.2256



10.1746, 0.4488, 0.3849

Complementary

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



10.1746, 0.2379, 0.3764



2.8630, 0.6067, 0.3116

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.



10.1746, 0.4377, 0.3330



10.1746, 0.2379, 0.3764



10.1746, 0.3169, 0.2464

Square

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



10.1746, 0.2379, 0.3764



10.1746, 0.2099, 0.2262



10.1746, 0.3870, 0.2844



10.1746, 0.4198, 0.4312

Rectangle

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



10.1746, 0.2379, 0.3764



10.1746, 0.1923, 0.2666



10.1746, 0.3870, 0.2844



10.1746, 0.4500, 0.3677

Sweetspot

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



10.1750, 0.2379, 0.3764



20.4990, 0.2767, 0.3413



9.6226, 0.3076, 0.5939



4.7869, 0.2737, 0.3427



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.



10.1750, 0.2379, 0.3764



17.8306, 0.2383, 0.3779



5.0949, 0.1952, 0.2227



3.1782, 0.3017, 0.3322



13.0625, 0.2381, 0.3771



68.0226, 0.2390, 0.3802

Inverse Universe

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



2.8630, 0.6067, 0.3116



5.0075, 0.6126, 0.3148



3.9700, 0.5781, 0.3792



2.8528, 0.3249, 0.3258



3.6717, 0.6096, 0.3132



19.0618, 0.6209, 0.3194

Previews

White Background



This preview shows how the Yxy color 10.1746, 0.2379, 0.3764 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 10.1746, 0.2379, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

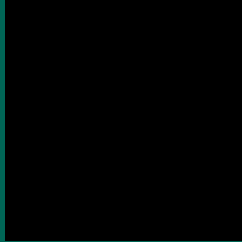
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1746, 0.2379, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 10.1746, 0.2379, 0.3764.



This preview shows how white text looks on a background with the Yxy color 10.1746, 0.2379, 0.3764.

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

10.1746, 0.2379, 0.3764

Protanopia

10.0890, 0.3365, 0.3537

Deuteranopia

10.1903, 0.3296, 0.3243



Tritanopia

10.2464, 0.2285, 0.3072

Trichromacy



Original Color

10.1746, 0.2379, 0.3764

Protanomaly

9.5753, 0.2798, 0.3626

Deuteranomaly

9.4156, 0.2757, 0.3399

Tritanomaly

10.1438, 0.2307, 0.3316

Monochromacy



Original Color

10.1746, 0.2379, 0.3764

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1143, 0.2643, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1746, 0.2379, 0.3764 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 86) }
```

Border

The CSS property to change the border of an element to Yxy 10.1746, 0.2379, 0.3764 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, 86) }
```

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

```
.border{ border-color:rgb(0, 102, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1746, 0.2379, 0.3764 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, 86) }
```

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

```
.background{ background-color: rgb(0, 102,  
86) }
```

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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