

Converting Colors

$Y_{xy}(8.1965, 0.1350, 0.4274)$

Have a look what the booklet for
Yxy(8.1965, 0.1350, 0.4274)
contains.

Yxy(10.0386, 0.2459, 0.4053)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.0386, 0.2459, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	00664D
RGB	0, 102, 77
RGB Percent	0%, 40%, 30%
CMY	1.0000, 0.6000, 0.6980
CMYK	1.00, 0.00, 0.25, 0.60
HSL	165°, 100%, 20%
HSV	165°, 100%, 40%
XYZ	6.0905, 10.0386, 8.6392
YIQ	68.6520, -52.7670, -29.3990

Conversions

Conversions Part 2

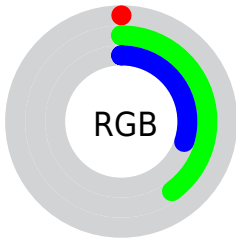
Format	Color
RYB	0, 58, 102
Decimal	26189
CIELab	37.91, -32.30, 7.01
CIELCh	38, 33.047, 167.753
Yxy	10.0386, 0.2459, 0.4053
Android (android.graphics.Color)	4278216269 (0xFF00664D)
YUV	68.6520, 4.1156, -60.2078
Hunter-Lab	31.6837, -21.1337, 6.0121

Details

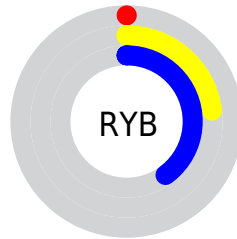
The Yxy color **10.0386, 0.2459, 0.4053** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **2.8952, 0.5812, 0.2975**, and the grayscale version is **5.8916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9197, 0.2641, 0.3836**, and **2.7481, 0.2559, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **10.0394, 0.2459, 0.4053**, and if you desaturate by 10%, it is **10.1412, 0.2467, 0.3966**.

Distribution



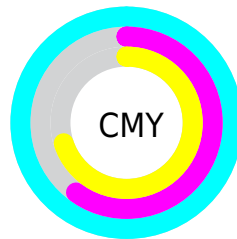
- Red (0%)
- Green (40%)
- Blue (30%)



- Red (0%)
- Yellow (23%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0386, 0.2459, 0.4053 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 10.0386, 0.2459, 0.4053 by changing the saturation by 10% instead.


 10.0386, 0.2459,
0.4053


 10.0386, 0.2459,
0.4053


190.9473, 0.2882,
0.3560


 5.4246, 0.2302,
0.4245

 25.8681, 0.2644,
0.3834


 2.4985, 0.2051,
0.4563

 37.8523, 0.2703,
0.3765

 0.8759, 0.0319,
0.6331

 53.0620, 0.2749,
0.3712

 0.0000, 0.0000,
0.0000


 71.8817, 0.2786,
0.3669

 94.6957, 0.2817,
0.3635


 121.8883, 0.2842,


0.3606

 153.8441, 0.2864,
0.3581

 10.0386, 0.2459,
0.4053


 10.0386, 0.2459,
0.4053


 10.0394, 0.2459,
0.4053

 10.1412, 0.2467,
0.3966

 10.2657, 0.2484,
0.3880

 10.4367, 0.2518,
0.3795

 10.6590, 0.2569,
0.3711

 10.9371, 0.2635,
0.3629

■ 11.2748, 0.2716,
0.3552

■ 11.6756, 0.2807,
0.3479

■ 12.1427, 0.2908,
0.3410

■ 12.6792, 0.3016,
0.3347

Harmonies

Analogous

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



10.0386, 0.3151, 0.4628



10.0386, 0.2459, 0.4053



10.0386, 0.1983, 0.3229

Triad

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



10.0386, 0.2459, 0.4053



10.0386, 0.2301, 0.2132



10.0386, 0.4655, 0.3724

Complementary

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



10.0386, 0.2459, 0.4053



2.8952, 0.5812, 0.2975

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.



10.0386, 0.4399, 0.3162



10.0386, 0.2459, 0.4053



10.0386, 0.2947, 0.2296

Square

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



10.0386, 0.2459, 0.4053



10.0386, 0.1914, 0.2207



10.0386, 0.3736, 0.2661



10.0386, 0.4437, 0.4270

Rectangle

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



10.0386, 0.2459, 0.4053



10.0386, 0.1830, 0.2754



10.0386, 0.3736, 0.2661



10.0386, 0.4624, 0.3534

Sweetspot

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



10.0394, 0.2459, 0.4053



20.4099, 0.2799, 0.3485



9.7165, 0.3133, 0.5894



4.7640, 0.2771, 0.3506



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.



10.0394, 0.2459, 0.4053



17.5879, 0.2466, 0.4077



6.1978, 0.2030, 0.2507



3.1743, 0.3027, 0.3341



12.8866, 0.2462, 0.4064



67.0674, 0.2476, 0.4115

Inverse Universe

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



2.8952, 0.5812, 0.2975



5.0610, 0.5881, 0.3013



3.5419, 0.5984, 0.3630



2.8564, 0.3237, 0.3240



3.7123, 0.5845, 0.2993



19.2410, 0.5984, 0.3070

Previews

White Background



This preview shows how the Yxy color 10.0386, 0.2459, 0.4053 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 10.0386, 0.2459, 0.4053 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 10.0386, 0.2459, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 10.0386, 0.2459, 0.4053.



This preview shows how white text looks on a background with the Yxy color 10.0386, 0.2459, 0.4053.

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

10.0386, 0.2459, 0.4053

Protanopia

10.0326, 0.3510, 0.3735

Deuteranopia

10.0164, 0.3465, 0.3410



Tritanopia

10.0830, 0.2304, 0.3071

Trichromacy



Original Color

10.0386, 0.2459, 0.4053

Protanomaly

9.4471, 0.2913, 0.3892

Deuteranomaly

9.3235, 0.2874, 0.3626

Tritanomaly

9.8986, 0.2343, 0.3402

Monochromacy



Original Color

10.0386, 0.2459, 0.4053

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.8882, 0.2679, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0386, 0.2459, 0.4053 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 77) }
```

Border

The CSS property to change the border of an element to Yxy 10.0386, 0.2459, 0.4053 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, 77) }
```

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

```
.border{ border-color:rgb(0, 102, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0386, 0.2459, 0.4053 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, 77) }
```

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

```
.background{ background-color: rgb(0, 102,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor