

Converting Colors

$Y_{xy}(40.6253, 0.2682, 0.4831)$

Have a look what the booklet for
Yxy(40.6253, 0.2682, 0.4831)
contains.

Yxy(40.6077, 0.2683, 0.4835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6077, 0.2683, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	07C46C
RGB	7, 196, 108
RGB Percent	3%, 77%, 42%
CMY	0.9733, 0.2314, 0.5764
CMYK	0.97, 0.00, 0.45, 0.23
HSL	152°, 93%, 40%
HSV	152°, 97%, 77%
XYZ	22.5337, 40.6077, 20.8456
YIQ	129.4570, -84.3960, -67.4360

Conversions

Conversions Part 2

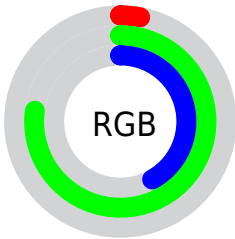
Format	Color
RYB	7, 130, 196
Decimal	509036
CIELab	69.90, -60.80, 32.83
CIELCh	70, 69.101, 151.630
Yxy	40.6077, 0.2683, 0.4835
Android (android.graphics.Color)	4278699116 (0xFF07C46C)
YUV	129.4570, -10.5783, -107.3948
Hunter-Lab	63.7242, -48.3974, 25.2119

Details

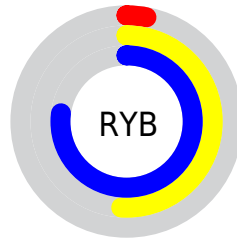
The Yxy color **40.6077, 0.2683, 0.4835** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.7069, 0.5027, 0.2566**, and the grayscale version is **22.1638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2235, 0.2789, 0.4499**, and **19.3655, 0.2787, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **40.4990, 0.2693, 0.4894**, and if you desaturate by 10%, it is **40.9949, 0.2660, 0.4661**.

Distribution



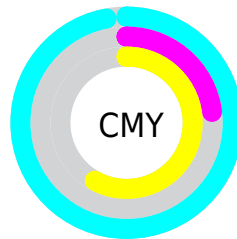
- Red (3%)
- Green (77%)
- Blue (42%)



- Red (3%)
- Yellow (51%)
- Blue (77%)



- Cyan (97%)
- Magenta (0%)
- Yellow (45%)
- Black (23%)



- Cyan (97%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6077, 0.2683, 0.4835 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 40.6077, 0.2683, 0.4835 by changing the saturation by 10% instead.


 40.6077, 0.2683,
0.4835


 40.6077, 0.2683,
0.4835


348.6783, 0.2945,
0.3981


 28.0127, 0.2603,
0.5075


 76.0880, 0.2789,
0.4505


 18.3352, 0.2490,
0.5397


 99.7421, 0.2825,
0.4387

 11.1909, 0.2324,
0.5850


 127.8513, 0.2855,
0.4290

 6.1954, 0.2059,
0.6519

 160.8001, 0.2879,
0.4208

 2.9643, 0.1658,
0.8061

 198.9727, 0.2899,
0.4139

 1.1131, 0.0000,
1.0000

242.7538, 0.2917,

 0.0000, 0.0000,

0.4079

0.0000

292.5275, 0.2932,
0.4027

■ 40.6077, 0.2683,
0.4835

■ 40.6077, 0.2683,
0.4835

■ 40.4990, 0.2693,
0.4894

■ 40.9949, 0.2660,
0.4661

■ 41.5763, 0.2657,
0.4481

■ 42.3869, 0.2674,
0.4299

■ 43.4522, 0.2709,
0.4119

■ 44.7943, 0.2761,
0.3946

■ 46.4328, 0.2826,
0.3782

■ 48.3854, 0.2901,
0.3630

■ 50.6684, 0.2983,
0.3490

■ 53.2970, 0.3070,
0.3365

Harmonies

Analogous

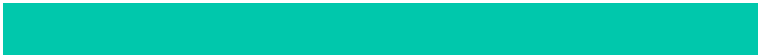
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.6077, 0.3604, 0.5165



40.6077, 0.2683, 0.4835



40.6077, 0.1935, 0.3782

Triad

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



40.6077, 0.2683, 0.4835



40.6077, 0.1789, 0.1852



40.6077, 0.5017, 0.3391

Complementary

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



40.6077, 0.2683, 0.4835



12.7069, 0.5027, 0.2566

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.



40.6077, 0.4369, 0.2752



40.6077, 0.2683, 0.4835



40.6077, 0.2406, 0.1913

Square

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



40.6077, 0.2683, 0.4835



40.6077, 0.1507, 0.2094



40.6077, 0.3344, 0.2230



40.6077, 0.5007, 0.4083

Rectangle

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



40.6077, 0.2683, 0.4835



40.6077, 0.1631, 0.3040



40.6077, 0.3344, 0.2230



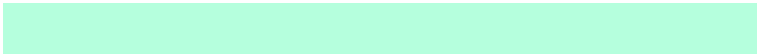
40.6077, 0.4870, 0.3171

Sweetspot

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



40.6093, 0.2683, 0.4835



86.5496, 0.2878, 0.3673



41.9355, 0.3337, 0.5710



18.1978, 0.2846, 0.3739



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.6093, 0.2683, 0.4835



73.3096, 0.2700, 0.4919



40.7262, 0.2224, 0.3189



11.3469, 0.3045, 0.3399



26.0386, 0.2686, 0.4871



1.1389, 0.2579, 0.4483

Inverse Universe

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



12.7069, 0.5027, 0.2566



22.5818, 0.5152, 0.2612



12.0424, 0.6322, 0.3317



10.1541, 0.3218, 0.3183



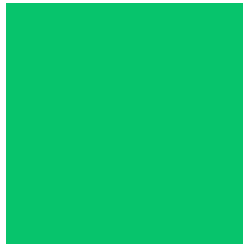
8.0447, 0.5084, 0.2574



0.3615, 0.4559, 0.2285

Previews

White Background



This preview shows how the Yxy color 40.6077, 0.2683, 0.4835 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.6077, 0.2683, 0.4835 looks on a black 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 ✓ Pass

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

Yxy 40.6077, 0.2683, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 40.6077, 0.2683, 0.4835.



This preview shows how white text looks on a background with the Yxy color 40.6077, 0.2683, 0.4835.

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

40.6077, 0.2683, 0.4835

Protanopia

39.6969, 0.3914, 0.4240

Deuteranopia

39.6582, 0.3958, 0.3883



Tritanopia

40.2845, 0.2319, 0.3061

Trichromacy



Original Color

40.6077, 0.2683, 0.4835



Protanomaly

37.2645, 0.3218, 0.4542



Deuteranomaly

36.2897, 0.3235, 0.4272



Tritanomaly

39.8382, 0.2423, 0.3650

Monochromacy



Original Color

40.6077, 0.2683, 0.4835



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.0942, 0.2782, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6077, 0.2683, 0.4835 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(7, 196, 108)` looks like.

```
.text, #text, p{  
    color:rgb(7, 196, 108)  
}
```

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(7, 196, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 196, 108) }
```

Border

The CSS property to change the border of an element to Yxy 40.6077, 0.2683, 0.4835 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(7, 196, 108) }
```

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

```
.border{ border-color:rgb(7, 196, 108) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(7, 196, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 196, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 196, 108);  
box-shadow:4px 4px 4px 4px rgb(7, 196,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6077, 0.2683, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 196, 108) }
```

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

```
.background{ background-color: rgb(7, 196,  
108) }
```

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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