

Converting Colors

$Y_{xy}(40.7521, 0.3019, 0.5314)$

Have a look what the booklet for
Yxy(40.7521, 0.3019, 0.5314)
contains.

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Color

Yxy(40.7633, 0.3018, 0.5316)

Conversions

Conversions Part 1

Format	Color
Hex	45C348
RGB	69, 195, 72
RGB Percent	27%, 76%, 28%
CMY	0.7291, 0.2353, 0.7177
CMYK	0.65, 0.00, 0.63, 0.24
HSL	121°, 51%, 52%
HSV	121°, 65%, 76%
XYZ	23.1421, 40.7633, 12.7750
YIQ	143.3040, -35.6130, -64.9650

Conversions

Conversions Part 2

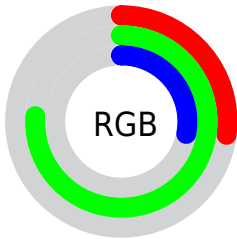
Format	Color
RYB	69, 192, 195
Decimal	4571976
CIELab	70.01, -58.51, 50.38
CIELCh	70, 77.215, 139.270
Yxy	40.7633, 0.3018, 0.5316
Android (android.graphics.Color)	4282762056 (0xFF45C348)
YUV	143.3040, -35.1529, -65.1646
Hunter-Lab	63.8461, -47.0303, 32.8290

Details

The Yxy color **40.7633, 0.3018, 0.5316** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **19.6769, 0.3230, 0.1861**, and the grayscale version is **27.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5565, 0.3081, 0.4895**, and **18.7852, 0.2977, 0.5918** is the 20% darker color. If you saturate the color by 10%, you get **39.9532, 0.3007, 0.5600**, and if you desaturate by 10%, it is **41.8881, 0.3033, 0.4986**.

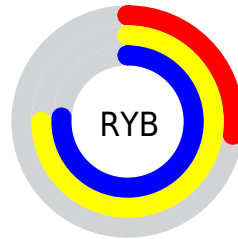
Distribution



Red (27%)

Green (76%)

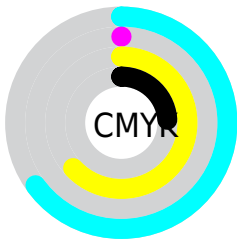
Blue (28%)



Red (27%)

Yellow (75%)

Blue (76%)

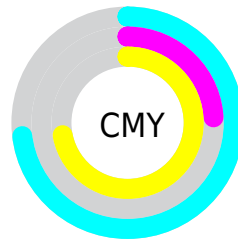


Cyan (65%)

Magenta (0%)

Yellow (63%)

Black (24%)



Cyan (73%)


Magenta (24%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7633, 0.3018, 0.5316 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 40.7633, 0.3018, 0.5316 by changing the saturation by 10% instead.


 40.7633, 0.3018,
0.5316


 40.7633, 0.3018,
0.5316


349.3304, 0.3141,
0.4204


 28.1342, 0.2958,
0.5616


 76.3244, 0.3083,
0.4893


 18.4268, 0.2861,
0.6006


 100.0253, 0.3101,
0.4739


 11.2569, 0.2697,
0.6525


 128.1854, 0.3113,
0.4611

 6.2399, 0.2470,
0.7417

 161.1893, 0.3123,
0.4504

 2.9915, 0.1846,
0.8154

 199.4214, 0.3129,
0.4412

 1.1273, 0.0000,
1.0000

243.2660, 0.3134,

 0.0011, 0.0000,

0.4333

1.0000

293.1075, 0.3138,
0.4264

■ 0.0000, 0.0000,
0.0000

■ 40.7633, 0.3018,
0.5316

■ 40.7633, 0.3018,
0.5316

■ 39.9532, 0.3007,
0.5600

■ 41.8881, 0.3033,
0.4986

■ 39.4215, 0.3000,
0.5814

■ 43.3497, 0.3051,
0.4636

■ 39.1318, 0.2998,
0.5945

■ 45.1740, 0.3069,
0.4289

■ 39.0394, 0.2996,
0.5986

■ 47.3829, 0.3087,
0.3962

■ 49.9969, 0.3104,
0.3664

■ 53.0345, 0.3120,
0.3400

■ 56.5136, 0.3135,
0.3169

■ 60.4508, 0.3148,
0.2969

■ 64.8617, 0.3159,
0.2797

Harmonies

Analogous

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



40.7633, 0.4017, 0.5233



40.7633, 0.3018, 0.5316



40.7633, 0.2097, 0.4386

Triad

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



40.7633, 0.3018, 0.5316



40.7633, 0.1506, 0.1784



40.7633, 0.5016, 0.3080

Complementary

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



40.7633, 0.3018, 0.5316



19.6769, 0.3230, 0.1861

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.



40.7633, 0.4054, 0.2440



40.7633, 0.3018, 0.5316



40.7633, 0.2010, 0.1732

Square

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



40.7633, 0.3018, 0.5316



40.7633, 0.1343, 0.2190



40.7633, 0.2896, 0.1963



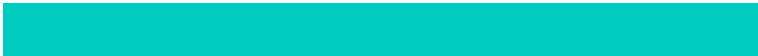
40.7633, 0.5287, 0.3796

Rectangle

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



40.7633, 0.3018, 0.5316



40.7633, 0.1665, 0.3493



40.7633, 0.2896, 0.1963



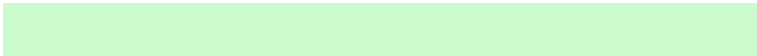
40.7633, 0.4755, 0.2855

Sweetspot

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



40.7650, 0.3018, 0.5316



87.2461, 0.3096, 0.3801



50.7844, 0.3994, 0.4767



18.8127, 0.3091, 0.3889



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.



40.7650, 0.3018, 0.5316



71.1591, 0.3004, 0.5687



42.0224, 0.2692, 0.4304



11.2625, 0.3113, 0.3522



25.3757, 0.2995, 0.5983



1.0977, 0.2977, 0.5919

Inverse Universe

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



19.6769, 0.3230, 0.1861



30.5871, 0.3248, 0.1691



17.4770, 0.4148, 0.2529



10.2434, 0.3141, 0.3068



9.9731, 0.3267, 0.1573



0.4322, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 40.7633, 0.3018, 0.5316 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 40.7633, 0.3018, 0.5316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

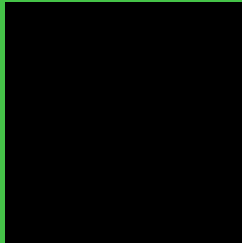
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7633, 0.3018, 0.5316

Background



This preview shows how black text looks on a background with the Yxy color 40.7633, 0.3018, 0.5316.



This preview shows how white text looks on a background with the Yxy color 40.7633, 0.3018, 0.5316.

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

40.7633, 0.3018, 0.5316

Protanopia

39.9499, 0.4171, 0.4589

Deuteranopia

40.0052, 0.4320, 0.4242



Tritanopia

40.6649, 0.2453, 0.3080

Trichromacy



Original Color

40.7633, 0.3018, 0.5316



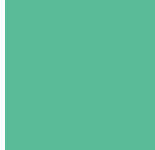
Protanomaly

38.6773, 0.3654, 0.4900



Deuteranomaly

38.0913, 0.3749, 0.4665



Tritanomaly

39.9315, 0.2664, 0.3860

Monochromacy



Original Color

40.7633, 0.3018, 0.5316



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.8380, 0.3081, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7633, 0.3018, 0.5316 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(69, 195, 72)` looks like.

```
.text, #text, p{  
    color:rgb(69, 195, 72)  
}
```

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(69, 195, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 195, 72) }
```

Border

The CSS property to change the border of an element to Yxy 40.7633, 0.3018, 0.5316 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(69, 195, 72) }
```

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

```
.border{ border-color:rgb(69, 195, 72) }
```

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

Here you see how a box with a 4 pixel rgb(69, 195, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 195, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 195, 72);  
box-shadow:4px 4px 4px 4px rgb(69, 195,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7633, 0.3018, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 195, 72) }
```

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

```
.background{ background-color: rgb(69, 195,  
72) }
```

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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