

Converting Colors

$Y_{xy}(40.7435, 0.3032, 0.5573)$

Have a look what the booklet for
Yxy(40.7435, 0.3032, 0.5573)
contains.

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Color

Yxy(40.6161, 0.3032, 0.5573)

Conversions

Conversions Part 1

Format	Color
Hex	39C436
RGB	57, 196, 54
RGB Percent	22%, 77%, 21%
CMY	0.7761, 0.2314, 0.7882
CMYK	0.71, 0.00, 0.72, 0.23
HSL	119°, 57%, 49%
HSV	119°, 72%, 77%
XYZ	22.0973, 40.6161, 10.1668
YIQ	138.2510, -37.2620, -73.6300

Conversions

Conversions Part 2

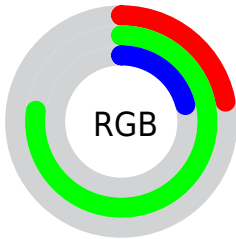
Format	Color
RYB	54, 196, 193
Decimal	3785782
CIELab	69.91, -62.84, 57.38
CIELCh	70, 85.094, 137.600
Yxy	40.6161, 0.3032, 0.5573
Android (android.graphics.Color)	4281975862 (0xFF39C436)
YUV	138.2510, -41.5357, -71.2571
Hunter-Lab	63.7308, -49.6378, 35.1532

Details

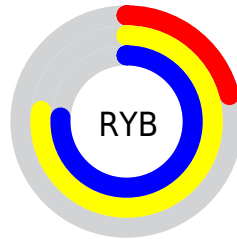
The Yxy color **40.6161, 0.3032, 0.5573** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.9531, 0.3163, 0.1707**, and the grayscale version is **25.7002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2728, 0.3111, 0.5101**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.0071, 0.3019, 0.5798**, and if you desaturate by 10%, it is **41.5155, 0.3047, 0.5279**.

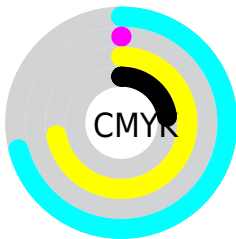
Distribution



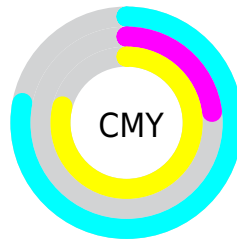
- Red (22%)
- Green (77%)
- Blue (21%)



- Red (21%)
- Yellow (77%)
- Blue (76%)



- Cyan (71%)
- Magenta (0%)
- Yellow (72%)
- Black (23%)





- Cyan (78%)
- Magenta (23%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6161, 0.3032, 0.5573 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 40.6161, 0.3032, 0.5573 by changing the saturation by 10% instead.


 40.6161, 0.3032,
0.5573


 40.6161, 0.3032,
0.5573


348.7135, 0.3169,
0.4322


 28.0192, 0.2959,
0.5903


 76.1008, 0.3109,
0.5100


 18.3402, 0.2840,
0.6325


 99.7574, 0.3129,
0.4927


 11.1945, 0.2638,
0.6871


 127.8694, 0.3143,
0.4783

 6.1978, 0.2320,
0.7680

 160.8211, 0.3153,
0.4662

 2.9657, 0.1590,
0.8410

 198.9970, 0.3159,
0.4558

 1.1139, 0.0000,
1.0000

 242.7814, 0.3164,

 0.0000, 0.0000,

0.4469

0.0000

292.5588, 0.3167,
0.4391

■ 40.6161, 0.3032,
0.5573

■ 40.6161, 0.3032,
0.5573

■ 40.0071, 0.3019,
0.5798

■ 41.5155, 0.3047,
0.5279

■ 39.6486, 0.3008,
0.5938

■ 42.7296, 0.3063,
0.4941

■ 39.5061, 0.3004,
0.5997

■ 44.2859, 0.3079,
0.4586

■ 46.2075, 0.3093,
0.4237

■ 48.5156, 0.3105,
0.3909

■ 51.2297, 0.3116,
0.3612

■ 54.3679, 0.3125,
0.3349

■ 57.9473, 0.3133,
0.3119

■ 61.9841, 0.3139,
0.2921

Harmonies

Analogous

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



40.6161, 0.4103, 0.5357



40.6161, 0.3032, 0.5573



40.6161, 0.2037, 0.4594

Triad

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



40.6161, 0.3032, 0.5573



40.6161, 0.1370, 0.1678



40.6161, 0.5161, 0.2997

Complementary

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



40.6161, 0.3032, 0.5573



17.9531, 0.3163, 0.1707

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.



40.6161, 0.4069, 0.2332



40.6161, 0.3032, 0.5573



40.6161, 0.1876, 0.1613

Square

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



40.6161, 0.3032, 0.5573



40.6161, 0.1215, 0.2119



40.6161, 0.2802, 0.1842



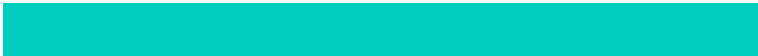
40.6161, 0.5480, 0.3742

Rectangle

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



40.6161, 0.3032, 0.5573



40.6161, 0.1566, 0.3579



40.6161, 0.2802, 0.1842



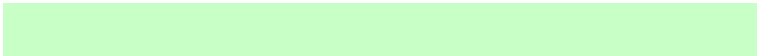
40.6161, 0.4862, 0.2764

Sweetspot

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



40.6178, 0.3032, 0.5573



87.9339, 0.3106, 0.3906



49.3792, 0.4117, 0.4827



18.5592, 0.3102, 0.3994



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.



40.6178, 0.3032, 0.5573



72.0418, 0.3012, 0.5891



41.6263, 0.2714, 0.4580



11.2690, 0.3119, 0.3528



25.3900, 0.3005, 0.5996



1.1007, 0.3026, 0.5979

Inverse Universe

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



17.9531, 0.3163, 0.1707



28.6769, 0.3160, 0.1560



15.9803, 0.4212, 0.2396



10.2361, 0.3134, 0.3063



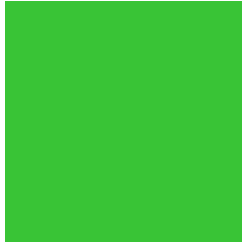
9.7465, 0.3156, 0.1512



0.4247, 0.3169, 0.1519

Previews

White Background



This preview shows how the Yxy color 40.6161, 0.3032, 0.5573 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 40.6161, 0.3032, 0.5573 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 40.6161, 0.3032, 0.5573

Background



This preview shows how black text looks on a background with the Yxy color 40.6161, 0.3032, 0.5573.



This preview shows how white text looks on a background with the Yxy color 40.6161, 0.3032, 0.5573.

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

40.6161, 0.3032, 0.5573

Protanopia

39.9018, 0.4274, 0.4721

Deuteranopia

39.7439, 0.4454, 0.4358



Tritanopia

40.4310, 0.2422, 0.3065

Trichromacy



Original Color

40.6161, 0.3032, 0.5573



Protanomaly

38.2213, 0.3714, 0.5096



Deuteranomaly

37.5885, 0.3816, 0.4858



Tritanomaly

39.8356, 0.2666, 0.3985

Monochromacy



Original Color

40.6161, 0.3032, 0.5573



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.1090, 0.3101, 0.4227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6161, 0.3032, 0.5573 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(57, 196, 54)` looks like.

```
.text, #text, p{  
    color:rgb(57, 196, 54)  
}
```

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(57, 196, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 196, 54) }
```

Border

The CSS property to change the border of an element to Yxy 40.6161, 0.3032, 0.5573 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(57, 196, 54) }
```

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

```
.border{ border-color:rgb(57, 196, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 196, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 196, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 196, 54);  
box-shadow:4px 4px 4px 4px rgb(57, 196,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6161, 0.3032, 0.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 196, 54) }
```

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

```
.background{ background-color: rgb(57, 196,  
54) }
```

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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