

Converting Colors

$Y_{xy}(41.1758, 0.3062, 0.5477)$

Have a look what the booklet for
Yxy(41.1758, 0.3062, 0.5477)
contains.

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Color

Yxy(41.0350, 0.3060, 0.5474)

Conversions

Conversions Part 1

Format	Color
Hex	44C43C
RGB	68, 196, 60
RGB Percent	27%, 77%, 24%
CMY	0.7334, 0.2314, 0.7646
CMYK	0.65, 0.00, 0.69, 0.23
HSL	116°, 54%, 50%
HSV	116°, 69%, 77%
XYZ	22.9388, 41.0350, 10.9896
YIQ	142.2240, -32.6320, -69.4320

Conversions

Conversions Part 2

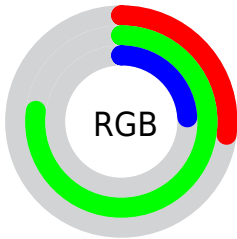
Format	Color
RYB	60, 196, 188
Decimal	4506684
CIELab	70.20, -60.25, 55.50
CIELCh	70, 81.920, 137.350
Yxy	41.0350, 0.3060, 0.5474
Android (android.graphics.Color)	4282696764 (0xFF44C43C)
YUV	142.2240, -40.5364, -65.0944
Hunter-Lab	64.0586, -48.1832, 34.6694

Details

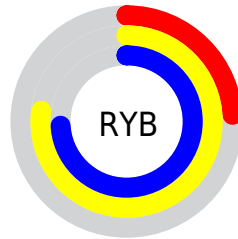
The Yxy color **41.0350, 0.3060, 0.5474** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.9183, 0.3102, 0.1719**, and the grayscale version is **27.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9238, 0.3127, 0.5027**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.3042, 0.3042, 0.5723**, and if you desaturate by 10%, it is **42.0548, 0.3077, 0.5165**.

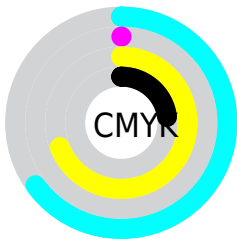
Distribution



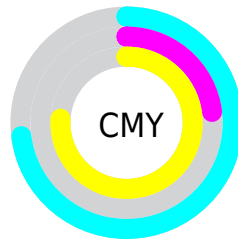
- Red (27%)
- Green (77%)
- Blue (24%)



- Red (24%)
- Yellow (77%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (69%)
- Black (23%)





- Cyan (73%)
- Magenta (23%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0350, 0.3060, 0.5474 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 41.0350, 0.3060, 0.5474 by changing the saturation by 10% instead.


 41.0350, 0.3060,
0.5474


 41.0350, 0.3060,
0.5474


350.4669, 0.3175,
0.4281


 28.3464, 0.2996,
0.5790


 76.7370, 0.3126,
0.5023


 18.5870, 0.2890,
0.6195


 100.5193, 0.3143,
0.4858


 11.3722, 0.2709,
0.6721


 128.7682, 0.3155,
0.4721

 6.3178, 0.2438,
0.7562

 161.8682, 0.3163,
0.4605

 3.0393, 0.1772,
0.8228

 200.2037, 0.3168,
0.4506

 1.1523, 0.0000,
1.0000

244.1590, 0.3171,

 0.0222, 0.0000,

0.4420

1.0000

294.1186, 0.3174,
0.4346

■ 0.0000, 0.0000,
0.0000

■ 41.0350, 0.3060,
0.5474

■ 41.0350, 0.3060,
0.5474

■ 40.3042, 0.3042,
0.5723

■ 42.0548, 0.3077,
0.5165

■ 39.8279, 0.3025,
0.5893

■ 43.3837, 0.3092,
0.4822


■ 39.5673, 0.3012,
0.5986


■ 45.0460, 0.3104,
0.4470


■ 39.5563, 0.3012,
0.5991

■ 47.0622, 0.3113,
0.4130

■ 49.4510, 0.3120,
0.3813

 52.2300, 0.3125,
0.3528

 55.4155, 0.3127,
0.3275

 59.0230, 0.3129,
0.3055

 63.0670, 0.3129,
0.2864

Harmonies

Analogous

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



41.0350, 0.4099, 0.5288



41.0350, 0.3060, 0.5474



41.0350, 0.2089, 0.4546

Triad

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



41.0350, 0.3060, 0.5474



41.0350, 0.1418, 0.1730



41.0350, 0.5076, 0.3011

Complementary

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



41.0350, 0.3060, 0.5474



17.9183, 0.3102, 0.1719

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.



41.0350, 0.4024, 0.2360



41.0350, 0.3060, 0.5474



41.0350, 0.1911, 0.1661

Square

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



41.0350, 0.3060, 0.5474



41.0350, 0.1270, 0.2170



41.0350, 0.2808, 0.1882



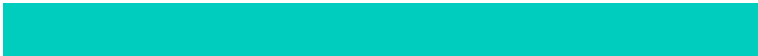
41.0350, 0.5401, 0.3742

Rectangle

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



41.0350, 0.3060, 0.5474



41.0350, 0.1625, 0.3585



41.0350, 0.2808, 0.1882



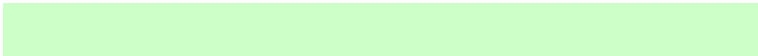
41.0350, 0.4786, 0.2782

Sweetspot

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



41.0367, 0.3060, 0.5474



88.6780, 0.3119, 0.3873



47.5779, 0.4126, 0.4748



18.7142, 0.3117, 0.3960



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.



41.0367, 0.3060, 0.5474



72.5299, 0.3033, 0.5818



41.7742, 0.2743, 0.4596



11.2863, 0.3125, 0.3527



25.4282, 0.3015, 0.5988



1.1086, 0.3069, 0.5945

Inverse Universe

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



17.9183, 0.3102, 0.1719



27.9608, 0.3084, 0.1547



16.7794, 0.4066, 0.2360



10.2166, 0.3129, 0.3062



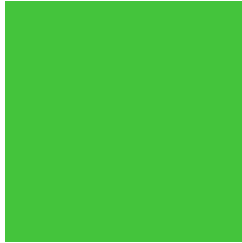
9.1646, 0.3065, 0.1462



0.4052, 0.3099, 0.1481

Previews

White Background



This preview shows how the Yxy color 41.0350, 0.3060, 0.5474 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 41.0350, 0.3060, 0.5474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

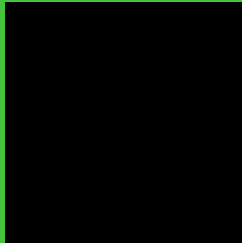
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0350, 0.3060, 0.5474

Background



This preview shows how black text looks on a background with the Yxy color 41.0350, 0.3060, 0.5474.



This preview shows how white text looks on a background with the Yxy color 41.0350, 0.3060, 0.5474.

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

41.0350, 0.3060, 0.5474

Protanopia

40.4592, 0.4247, 0.4683

Deuteranopia

40.1574, 0.4411, 0.4326



Tritanopia

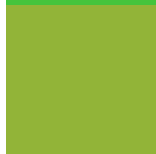
40.7690, 0.2452, 0.3066

Trichromacy



Original Color

41.0350, 0.3060, 0.5474



Protanomaly

39.0390, 0.3719, 0.5025



Deuteranomaly

38.0604, 0.3822, 0.4773



Tritanomaly

40.2782, 0.2696, 0.3943

Monochromacy



Original Color

41.0350, 0.3060, 0.5474



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.6554, 0.3113, 0.4165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0350, 0.3060, 0.5474 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(68, 196, 60)` looks like.

```
.text, #text, p{  
    color:rgb(68, 196, 60)  
}
```

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(68, 196, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 196, 60) }
```

Border

The CSS property to change the border of an element to Yxy 41.0350, 0.3060, 0.5474 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(68, 196, 60) }
```

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

```
.border{ border-color:rgb(68, 196, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 196, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 196, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 196, 60);  
box-shadow:4px 4px 4px 4px rgb(68, 196,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0350, 0.3060, 0.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 196, 60) }
```

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

```
.background{ background-color: rgb(68, 196,  
60) }
```

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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