

Converting Colors

$Y_{xy}(40.2614, 0.3038, 0.5731)$

Have a look what the booklet for
Yxy(40.2614, 0.3038, 0.5731)
contains.

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Color

Yxy(40.2614, 0.3038, 0.5731)

Conversions

Conversions Part 1

Format	Color
Hex	30C428
RGB	48, 196, 40
RGB Percent	19%, 77%, 16%
CMY	0.8116, 0.2314, 0.8434
CMYK	0.75, 0.00, 0.80, 0.23
HSL	117°, 66%, 46%
HSV	117°, 80%, 77%
XYZ	21.3425, 40.2614, 8.6480
YIQ	133.9640, -38.1320, -79.8920

Conversions

Conversions Part 2

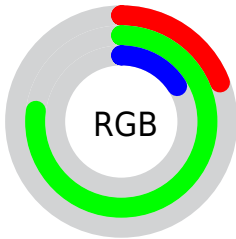
Format	Color
RYB	40, 196, 188
Decimal	3195944
CIELab	69.66, -65.30, 61.71
CIELCh	70, 89.845, 136.618
Yxy	40.2614, 0.3038, 0.5731
Android (android.graphics.Color)	4281386024 (0xFF30C428)
YUV	133.9640, -46.3243, -75.3904
Hunter-Lab	63.4519, -51.0009, 36.3355

Details

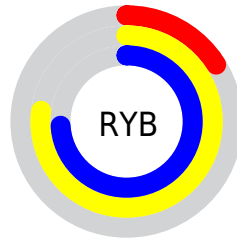
The Yxy color **40.2614, 0.3038, 0.5731** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.1777, 0.3103, 0.1597**, and the grayscale version is **24.0135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6170, 0.3122, 0.5233**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.8005, 0.3022, 0.5899**, and if you desaturate by 10%, it is **40.9824, 0.3055, 0.5484**.

Distribution



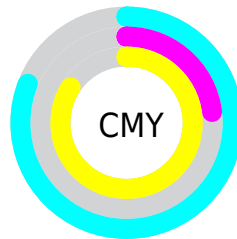
- Red (19%)
- Green (77%)
- Blue (16%)



- Red (16%)
- Yellow (77%)
- Blue (74%)



- Cyan (75%)
- Magenta (0%)
- Yellow (80%)
- Black (23%)




- Cyan (81%)
- Magenta (23%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2614, 0.3038, 0.5731 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 40.2614, 0.3038, 0.5731 by changing the saturation by 10% instead.


 40.2614, 0.3038,
0.5731


 40.2614, 0.3038,
0.5731


347.2241, 0.3188,
0.4396


 27.7424, 0.2955,
0.6077


 75.5614, 0.3124,
0.5229

 18.1316, 0.2818,
0.6514


 99.1112, 0.3147,
0.5045

 11.0445, 0.2601,
0.7099


 127.1067, 0.3162,
0.4891


 6.0968, 0.2209,
0.7791

 159.9324, 0.3172,
0.4760

 2.9040, 0.1404,
0.8596

 197.9726, 0.3179,
0.4649

 1.0818, 0.0000,
1.0000

 241.6116, 0.3183,

 0.0000, 0.0000,

0.4553

0.0000

291.2340, 0.3186,
0.4469

■ 40.2614, 0.3038,
0.5731

■ 40.2614, 0.3038,
0.5731

■ 39.8005, 0.3022,
0.5899

■ 40.9824, 0.3055,
0.5484

■ 39.5527, 0.3010,
0.5989


■ 41.9885, 0.3072,
0.5176


■ 39.5465, 0.3010,
0.5992

■ 43.3074, 0.3087,
0.4833


■ 44.9620, 0.3100,
0.4480

■ 46.9731, 0.3110,
0.4138

 49.3600, 0.3118,
0.3821

 52.1403, 0.3123,
0.3534

 55.3307, 0.3127,
0.3281

 58.9470, 0.3130,
0.3060

Harmonies

Analogous

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



40.2614, 0.4150, 0.5422



40.2614, 0.3038, 0.5731



40.2614, 0.2000, 0.4732

Triad

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



40.2614, 0.3038, 0.5731



40.2614, 0.1290, 0.1615



40.2614, 0.5249, 0.2945

Complementary

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



40.2614, 0.3038, 0.5731



16.1777, 0.3103, 0.1597

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.



40.2614, 0.4073, 0.2265



40.2614, 0.3038, 0.5731



40.2614, 0.1794, 0.1543

Square

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



40.2614, 0.3038, 0.5731



40.2614, 0.1140, 0.2077



40.2614, 0.2741, 0.1769



40.2614, 0.5597, 0.3703

Rectangle

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



40.2614, 0.3038, 0.5731



40.2614, 0.1508, 0.3638



40.2614, 0.2741, 0.1769



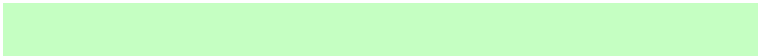
40.2614, 0.4925, 0.2706

Sweetspot

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



40.2631, 0.3038, 0.5731



87.2734, 0.3114, 0.3968



46.8375, 0.4216, 0.4861



18.3537, 0.3112, 0.4085



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.



40.2631, 0.3038, 0.5731



71.7235, 0.3011, 0.5971



41.0043, 0.2739, 0.4821



11.2832, 0.3124, 0.3527



25.4214, 0.3013, 0.5990



1.1072, 0.3062, 0.5951

Inverse Universe

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



16.1777, 0.3103, 0.1597



26.3696, 0.3082, 0.1481



14.8181, 0.4273, 0.2307



10.2200, 0.3130, 0.3063



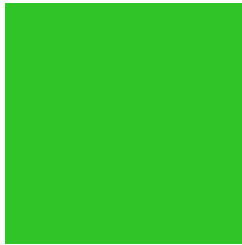
9.2660, 0.3081, 0.1471



0.4087, 0.3111, 0.1488

Previews

White Background



This preview shows how the Yxy color 40.2614, 0.3038, 0.5731 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 40.2614, 0.3038, 0.5731 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 40.2614, 0.3038, 0.5731

Background



This preview shows how black text looks on a background with the Yxy color 40.2614, 0.3038, 0.5731.



This preview shows how white text looks on a background with the Yxy color 40.2614, 0.3038, 0.5731.

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

40.2614, 0.3038, 0.5731

Protanopia

39.4329, 0.4338, 0.4791

Deuteranopia

39.2859, 0.4524, 0.4424



Tritanopia

40.1735, 0.2408, 0.3078

Trichromacy



Original Color

40.2614, 0.3038, 0.5731



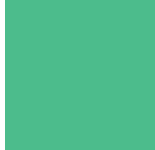
Protanomaly

37.7708, 0.3727, 0.5229



Deuteranomaly

36.8016, 0.3849, 0.4971



Tritanomaly

39.3964, 0.2673, 0.4097

Monochromacy



Original Color

40.2614, 0.3038, 0.5731



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.9176, 0.3105, 0.4344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2614, 0.3038, 0.5731 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(48, 196, 40)` looks like.

```
.text, #text, p{  
    color:rgb(48, 196, 40)  
}
```

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(48, 196, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 196, 40) }
```

Border

The CSS property to change the border of an element to Yxy 40.2614, 0.3038, 0.5731 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(48, 196, 40) }
```

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

```
.border{ border-color:rgb(48, 196, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 196, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 196, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 196, 40);  
box-shadow:4px 4px 4px 4px rgb(48, 196,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2614, 0.3038, 0.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 196, 40) }
```

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

```
.background{ background-color: rgb(48, 196,  
40) }
```

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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