

Converting Colors

$Yxy(38.6531, 0.3114, 0.5661)$

Have a look what the booklet for
Yxy(38.6531, 0.3114, 0.5661)
contains.

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Color

Yxy(38.5386, 0.3114, 0.5662)

Conversions

Conversions Part 1

Format	Color
Hex	41BF28
RGB	65, 191, 40
RGB Percent	25%, 75%, 16%
CMY	0.7450, 0.2510, 0.8430
CMYK	0.66, 0.00, 0.79, 0.25
HSL	110°, 65%, 45%
HSV	110°, 79%, 75%
XYZ	21.1955, 38.5386, 8.3312
YIQ	136.1120, -26.6250, -73.6730

Conversions

Conversions Part 2

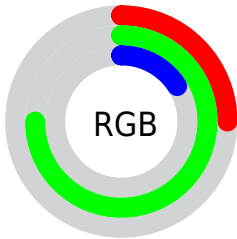
Format	Color
RYB	40, 191, 166
Decimal	4308776
CIELab	68.42, -60.65, 60.64
CIELCh	68, 85.766, 135.008
Yxy	38.5386, 0.3114, 0.5662
Android (android.graphics.Color)	4282498856 (0xFF41BF28)
YUV	136.1120, -47.3832, -62.3652
Hunter-Lab	62.0795, -47.6945, 35.4988

Details

The Yxy color **38.5386, 0.3114, 0.5662** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.3885, 0.2883, 0.1491**, and the grayscale version is **24.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6838, 0.3185, 0.5165**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.9711, 0.3083, 0.5843**, and if you desaturate by 10%, it is **39.3270, 0.3139, 0.5411**.

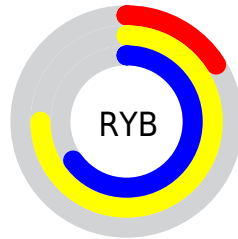
Distribution



Red (25%)

Green (75%)

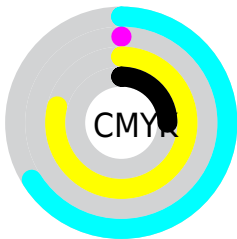
Blue (16%)



Red (16%)

Yellow (75%)

Blue (65%)

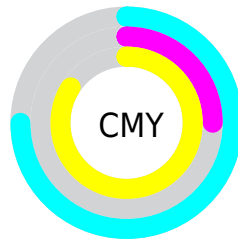


Cyan (66%)

Magenta (0%)

Yellow (79%)

Black (25%)



Cyan (75%)


Magenta (25%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5386, 0.3114, 0.5662 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 38.5386, 0.3114, 0.5662 by changing the saturation by 10% instead.


 38.5386, 0.3114,
0.5662

 38.5386, 0.3114,
0.5662

339.9248, 0.3221,
0.4362

 26.4010, 0.3041,
0.6000


 72.9329, 0.3185,
0.5173


 17.1239, 0.2917,
0.6428


 95.9584, 0.3201,
0.4993


 10.3228, 0.2718,
0.7016


 123.3820, 0.3211,
0.4843

 5.6135, 0.2326,
0.7674

 155.5880, 0.3217,
0.4716

 2.6115, 0.1490,
0.8510

 192.9609, 0.3220,
0.4608

 0.9325, 0.0000,
1.0000

 235.8851, 0.3222,

 0.0000, 0.0000,

0.4515

0.0000

284.7449, 0.3222,
0.4433

■ 38.5386, 0.3114,
0.5662

■ 38.5386, 0.3114,
0.5662

■ 37.9711, 0.3083,
0.5843

■ 39.3270, 0.3139,
0.5411

■ 37.5919, 0.3052,
0.5952

■ 40.3515, 0.3156,
0.5107

■ 37.5631, 0.3049,
0.5961

■ 41.6314, 0.3165,
0.4774

■ 43.1828, 0.3166,
0.4435

■ 45.0202, 0.3161,
0.4105

■ 47.1573, 0.3152,
0.3797

■ 49.6066, 0.3140,
0.3517

■ 52.3803, 0.3126,
0.3267

■ 55.4895, 0.3111,
0.3047

Harmonies

Analogous

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



38.5386, 0.4199, 0.5336



38.5386, 0.3114, 0.5662



38.5386, 0.2084, 0.4760

Triad

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



38.5386, 0.3114, 0.5662



38.5386, 0.1313, 0.1668



38.5386, 0.5140, 0.2923

Complementary

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



38.5386, 0.3114, 0.5662



13.3885, 0.2883, 0.1491

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.



38.5386, 0.3974, 0.2260



38.5386, 0.3114, 0.5662



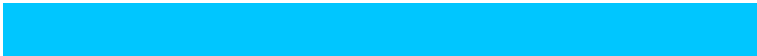
38.5386, 0.1790, 0.1577

Square

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



38.5386, 0.3114, 0.5662



38.5386, 0.1184, 0.2152



38.5386, 0.2693, 0.1784



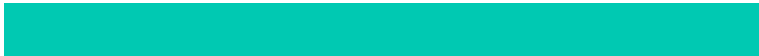
38.5386, 0.5538, 0.3669

Rectangle

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



38.5386, 0.3114, 0.5662



38.5386, 0.1582, 0.3715



38.5386, 0.2693, 0.1784



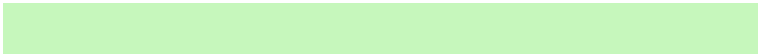
38.5386, 0.4812, 0.2689

Sweetspot

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



38.5402, 0.3114, 0.5662



82.3468, 0.3157, 0.3958



38.4439, 0.4354, 0.4718



17.7887, 0.3160, 0.4071



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.5402, 0.3114, 0.5662



67.4743, 0.3058, 0.5927



38.4579, 0.2816, 0.5069



10.7235, 0.3140, 0.3525



24.7098, 0.3055, 0.5956



0.9919, 0.3198, 0.5842

Inverse Universe

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



13.3885, 0.2883, 0.1491



20.4827, 0.2808, 0.1334



14.5096, 0.3976, 0.2134



9.6142, 0.3112, 0.3062



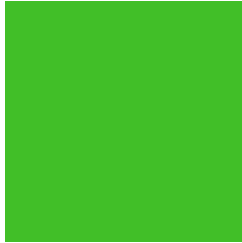
7.3712, 0.2798, 0.1315



0.3103, 0.2903, 0.1373

Previews

White Background



This preview shows how the Yxy color 38.5386, 0.3114, 0.5662 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 38.5386, 0.3114, 0.5662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

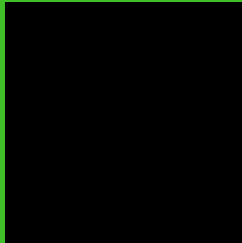
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5386, 0.3114, 0.5662

Background



This preview shows how black text looks on a background with the Yxy color 38.5386, 0.3114, 0.5662.



This preview shows how white text looks on a background with the Yxy color 38.5386, 0.3114, 0.5662.

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

38.5386, 0.3114, 0.5662

Protanopia

37.8270, 0.4325, 0.4787

Deuteranopia

37.6649, 0.4522, 0.4423



Tritanopia

38.2992, 0.2456, 0.3076

Trichromacy



Original Color

38.5386, 0.3114, 0.5662



Protanomaly

36.5381, 0.3794, 0.5172



Deuteranomaly

35.5748, 0.3914, 0.4924



Tritanomaly

37.6994, 0.2738, 0.4067

Monochromacy



Original Color

38.5386, 0.3114, 0.5662



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.0315, 0.3163, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5386, 0.3114, 0.5662 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(65, 191, 40)` looks like.

```
.text, #text, p{  
    color:rgb(65, 191, 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(65, 191, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 191, 40) }
```

Border

The CSS property to change the border of an element to Yxy 38.5386, 0.3114, 0.5662 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(65, 191, 40) }
```

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

```
.border{ border-color:rgb(65, 191, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 191, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 191, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 191, 40);  
box-shadow:4px 4px 4px 4px rgb(65, 191,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5386, 0.3114, 0.5662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 191, 40) }
```

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

```
.background{ background-color: rgb(65, 191,  
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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