

Converting Colors

$Y_{xy}(38.7703, 0.3042, 0.5601)$

Have a look what the booklet for
Yxy(38.7703, 0.3042, 0.5601)
contains.

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Color

Yxy(38.7703, 0.3042, 0.5601)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 38C032 |
| RGB | 56, 192, 50 |
| RGB Percent | 22%, 75%, 20% |
| CMY | 0.7804, 0.2470, 0.8038 |
| CMYK | 0.71, 0.00, 0.74, 0.25 |
| HSL | 117°, 59%, 47% |
| HSV | 117°, 74%, 75% |
| XYZ | 21.0568, 38.7703, 9.3932 |
| YIQ | 135.1480, -35.4740, -72.9940 |

Conversions

Conversions Part 2

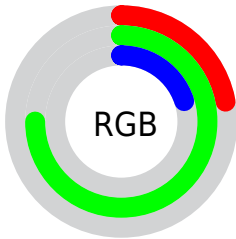
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 50, 192, 186 |
| Decimal | 3719218 |
| CIELab | 68.58, -62.04, 57.46 |
| CIELCh | 69, 84.567, 137.195 |
| Yxy | 38.7703, 0.3042, 0.5601 |
| Android (android.graphics.Color) | 4281909298 (0xFF38C032) |
| YUV | 135.1480, -41.9780, -69.4128 |
| Hunter-Lab | 62.2658, -48.6007, 34.6418 |

Details

The Yxy color **38.7703, 0.3042, 0.5601** 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 **16.5305, 0.3126, 0.1672**, and the grayscale version is **24.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5287, 0.3120, 0.5124**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.2033, 0.3026, 0.5815**, and if you desaturate by 10%, it is **39.6046, 0.3059, 0.5316**.

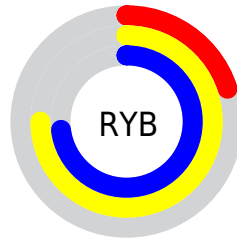
Distribution



Red (22%)

Green (75%)

Blue (20%)



Red (20%)

Yellow (75%)

Blue (73%)

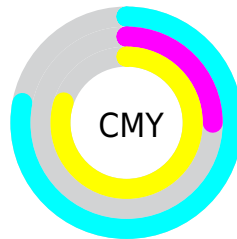


Cyan (71%)

Magenta (0%)

Yellow (74%)

Black (25%)



Cyan (78%)

Magenta (25%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7703, 0.3042, 0.5601 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 38.7703, 0.3042, 0.5601 by changing the saturation by 10% instead.


 38.7703, 0.3042,
0.5601


 38.7703, 0.3042,
0.5601


340.9129, 0.3177,
0.4327

 26.5811, 0.2967,
0.5939


 73.2873, 0.3120,
0.5118


 17.2589, 0.2842,
0.6372


 96.3838, 0.3140,
0.4942


 10.4192, 0.2634,
0.6944


 123.8850, 0.3153,
0.4795

 5.6778, 0.2279,
0.7721

 156.1750, 0.3162,
0.4671

 2.6502, 0.1426,
0.8574

 193.6385, 0.3169,
0.4566

 0.9519, 0.0000,
1.0000

 236.6597, 0.3173,

 0.0000, 0.0000,

0.4475

0.0000

285.6230, 0.3175,
0.4397

■ 38.7703, 0.3042,
0.5601

■ 38.7703, 0.3042,
0.5601

■ 38.2033, 0.3026,
0.5815

■ 39.6046, 0.3059,
0.5316

■ 37.8668, 0.3013,
0.5946

■ 40.7283, 0.3074,
0.4984

■ 37.7527, 0.3009,
0.5993

■ 42.1664, 0.3089,
0.4633

■ 43.9402, 0.3101,
0.4284

■ 46.0689, 0.3111,
0.3954

■ 48.5705, 0.3119,
0.3654

■ 51.4615, 0.3125,
0.3386

■ 54.7576, 0.3130,
0.3152

■ 58.4736, 0.3133,
0.2949

Harmonies

Analogous

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



38.7703, 0.4119, 0.5363



38.7703, 0.3042, 0.5601



38.7703, 0.2038, 0.4627

Triad

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



38.7703, 0.3042, 0.5601



38.7703, 0.1355, 0.1670



38.7703, 0.5169, 0.2983

Complementary

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



38.7703, 0.3042, 0.5601



16.5305, 0.3126, 0.1672

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.



38.7703, 0.4059, 0.2316



38.7703, 0.3042, 0.5601



38.7703, 0.1857, 0.1601

Square

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



38.7703, 0.3042, 0.5601



38.7703, 0.1203, 0.2118



38.7703, 0.2783, 0.1827



38.7703, 0.5500, 0.3730

Rectangle

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



38.7703, 0.3042, 0.5601



38.7703, 0.1562, 0.3600



38.7703, 0.2783, 0.1827



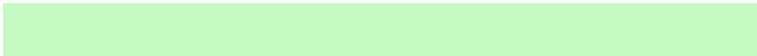
38.7703, 0.4864, 0.2749

Sweetspot

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



38.7719, 0.3042, 0.5601



84.1483, 0.3113, 0.3904



46.0950, 0.4148, 0.4823



17.8062, 0.3110, 0.3990



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.



38.7719, 0.3042, 0.5601



68.7813, 0.3017, 0.5910



39.5921, 0.2726, 0.4652



11.2786, 0.3122, 0.3527



25.4113, 0.3011, 0.5992



1.1051, 0.3050, 0.5960

Inverse Universe

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



16.5305, 0.3126, 0.1672



26.3197, 0.3113, 0.1524



15.0514, 0.4199, 0.2360



10.2252, 0.3131, 0.3063



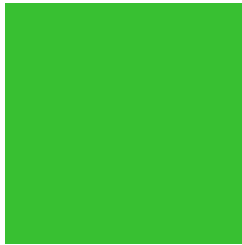
9.4190, 0.3105, 0.1484



0.4138, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 38.7703, 0.3042, 0.5601 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 38.7703, 0.3042, 0.5601 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 38.7703, 0.3042, 0.5601

Background



This preview shows how black text looks on a background with the Yxy color 38.7703, 0.3042, 0.5601.



This preview shows how white text looks on a background with the Yxy color 38.7703, 0.3042, 0.5601.

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

38.7703, 0.3042, 0.5601

Protanopia

37.8860, 0.4290, 0.4736

Deuteranopia

38.0780, 0.4469, 0.4380



Tritanopia

38.5149, 0.2421, 0.3060

Trichromacy



Original Color

38.7703, 0.3042, 0.5601



Protanomaly

36.3462, 0.3727, 0.5118



Deuteranomaly

35.7303, 0.3835, 0.4879



Tritanomaly

37.9394, 0.2671, 0.4000

Monochromacy



Original Color

38.7703, 0.3042, 0.5601



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8406, 0.3101, 0.4246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7703, 0.3042, 0.5601 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(56, 192, 50)` looks like.

```
.text, #text, p{  
    color:rgb(56, 192, 50)  
}
```

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(56, 192, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 192, 50) }
```

Border

The CSS property to change the border of an element to Yxy 38.7703, 0.3042, 0.5601 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(56, 192, 50) }
```

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

```
.border{ border-color:rgb(56, 192, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 192, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 192, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 192, 50);  
box-shadow:4px 4px 4px 4px rgb(56, 192,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7703, 0.3042, 0.5601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 192, 50) }
```

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

```
.background{ background-color: rgb(56, 192,  
50) }
```

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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