

Converting Colors

$Yxy(38.5320, 0.2844, 0.4961)$

Have a look what the booklet for
Yxy(38.5320, 0.2844, 0.4961)
contains.

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Color

Yxy(38.4654, 0.2842, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	37BE5F
RGB	55, 190, 95
RGB Percent	22%, 75%, 37%
CMY	0.7840, 0.2549, 0.6274
CMYK	0.71, 0.00, 0.50, 0.25
HSL	138°, 55%, 48%
HSV	138°, 71%, 75%
XYZ	22.0578, 38.4654, 17.0906
YIQ	138.8050, -49.9650, -58.1650

Conversions

Conversions Part 2

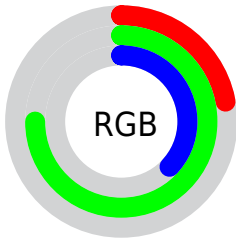
Format	Color
RYB	55, 159, 190
Decimal	3653215
CIELab	68.36, -56.37, 37.57
CIElCh	68, 67.738, 146.317
Yxy	38.4654, 0.2842, 0.4956
Android (android.graphics.Color)	4281843295 (0xFF37BE5F)
YUV	138.8050, -21.5959, -73.4970
Hunter-Lab	62.0205, -45.0516, 27.0762

Details

The Yxy color **38.4654, 0.2842, 0.4956** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **15.8903, 0.3775, 0.2134**, and the grayscale version is **25.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5501, 0.2923, 0.4596**, and **17.5174, 0.2852, 0.5468** is the 20% darker color. If you saturate the color by 10%, you get **37.8063, 0.2846, 0.5209**, and if you desaturate by 10%, it is **39.3760, 0.2854, 0.4689**.

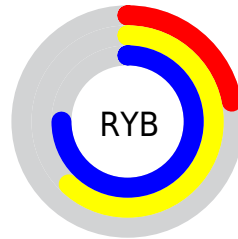
Distribution



Red (22%)

Green (75%)

Blue (37%)



Red (22%)

Yellow (62%)

Blue (75%)

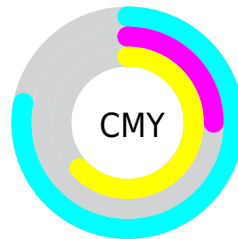


Cyan (71%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (78%)


Magenta (25%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4654, 0.2842, 0.4956 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 38.4654, 0.2842, 0.4956 by changing the saturation by 10% instead.

 38.4654, 0.2842,
0.4956


 38.4654, 0.2842,
0.4956


339.6122, 0.3031,
0.4029

 26.3441, 0.2776,
0.5217


 72.8209, 0.2924,
0.4597

 17.0812, 0.2677,
0.5568


 95.8239, 0.2951,
0.4469

 10.2924, 0.2522,
0.6059


 123.2229, 0.2971,
0.4363

 5.5933, 0.2260,
0.6780

 155.4024, 0.2988,
0.4274

 2.5994, 0.1762,
0.8238

 192.7466, 0.3002,
0.4199

 0.9264, 0.0000,
1.0000

235.6401, 0.3013,

 0.0000, 0.0000,

0.4135

0.0000

284.4672, 0.3023,
0.4079

■ 38.4654, 0.2842,
0.4956

■ 38.4654, 0.2842,
0.4956

■ 37.8063, 0.2846,
0.5209

■ 39.3760, 0.2854,
0.4689

■ 37.3666, 0.2865,
0.5435

■ 40.5565, 0.2881,
0.4420

■ 37.1141, 0.2891,
0.5609

■ 42.0290, 0.2918,
0.4159

■ 43.8119, 0.2964,
0.3914

■ 45.9220, 0.3014,
0.3690

■ 48.3750, 0.3068,
0.3487

■ 51.1855, 0.3122,
0.3307

■ 54.3673, 0.3175,
0.3148

■ 57.9333, 0.3227,
0.3009

Harmonies

Analogous

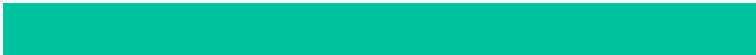
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4654, 0.3765, 0.5130



38.4654, 0.2842, 0.4956



38.4654, 0.2046, 0.3989

Triad

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



38.4654, 0.2842, 0.4956



38.4654, 0.1717, 0.1873



38.4654, 0.4945, 0.3274

Complementary

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



38.4654, 0.2842, 0.4956



15.8903, 0.3775, 0.2134

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.



38.4654, 0.4200, 0.2649



38.4654, 0.2842, 0.4956



38.4654, 0.2272, 0.1884

Square

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



38.4654, 0.2842, 0.4956



38.4654, 0.1492, 0.2177



38.4654, 0.3161, 0.2158



38.4654, 0.5052, 0.3958

Rectangle

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



38.4654, 0.2842, 0.4956



38.4654, 0.1698, 0.3225



38.4654, 0.3161, 0.2158



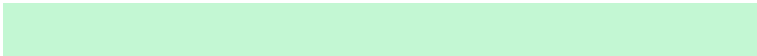
38.4654, 0.4758, 0.3056

Sweetspot

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



38.4670, 0.2842, 0.4956



83.0843, 0.3013, 0.3697



43.7560, 0.3716, 0.5079



17.9975, 0.2998, 0.3758



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.



38.4670, 0.2842, 0.4956



68.0383, 0.2854, 0.5335



40.2055, 0.2477, 0.3772



10.6949, 0.3077, 0.3456



24.6915, 0.2885, 0.5586



0.9791, 0.2743, 0.5074

Inverse Universe

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



15.8903, 0.3775, 0.2134



24.6751, 0.3967, 0.2043



14.3313, 0.4994, 0.2956



9.6468, 0.3182, 0.3130



8.4336, 0.4118, 0.2042



0.3413, 0.3852, 0.1896

Previews

White Background



This preview shows how the Yxy color 38.4654, 0.2842, 0.4956 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 38.4654, 0.2842, 0.4956 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 38.4654, 0.2842, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 38.4654, 0.2842, 0.4956.



This preview shows how white text looks on a background with the Yxy color 38.4654, 0.2842, 0.4956.

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

38.4654, 0.2842, 0.4956

Protanopia

37.5272, 0.3994, 0.4354

Deuteranopia

37.7124, 0.4083, 0.4000



Tritanopia

38.2591, 0.2397, 0.3059

Trichromacy



Original Color

38.4654, 0.2842, 0.4956



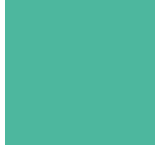
Protanomaly

36.2276, 0.3459, 0.4625



Deuteranomaly

35.8726, 0.3499, 0.4372



Tritanomaly

37.9134, 0.2556, 0.3704

Monochromacy



Original Color

38.4654, 0.2842, 0.4956



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.0719, 0.2961, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4654, 0.2842, 0.4956 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(55, 190, 95)` looks like.

```
.text, #text, p{  
    color:rgb(55, 190, 95)  
}
```

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(55, 190, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 190, 95) }
```

Border

The CSS property to change the border of an element to Yxy 38.4654, 0.2842, 0.4956 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(55, 190, 95) }
```

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

```
.border{ border-color:rgb(55, 190, 95) }
```

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

Here you see how a box with a 4 pixel rgb(55, 190, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 190, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 190, 95);  
box-shadow:4px 4px 4px 4px rgb(55, 190,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4654, 0.2842, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 190, 95) }
```

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

```
.background{ background-color: rgb(55, 190,  
95) }
```

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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