

Converting Colors

$Yxy(38.9857, 0.3154, 0.5786)$

Have a look what the booklet for
Yxy(38.9857, 0.3154, 0.5786)
contains.

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Color

Yxy(38.9155, 0.3156, 0.5782)

Conversions

Conversions Part 1

Format	Color
Hex	42C016
RGB	66, 192, 22
RGB Percent	26%, 75%, 9%
CMY	0.7411, 0.2470, 0.9139
CMYK	0.66, 0.00, 0.89, 0.25
HSL	104°, 79%, 42%
HSV	104°, 89%, 75%
XYZ	21.2413, 38.9155, 7.1477
YIQ	134.9460, -20.5260, -79.5820

Conversions

Conversions Part 2

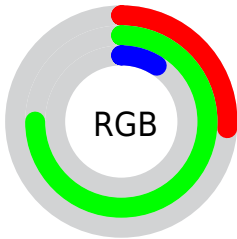
Format	Color
R _Y B	22, 192, 148
Decimal	4374550
CIE Lab	68.69, -61.62, 65.34
CIE LCh	69, 89.810, 133.322
Yxy	38.9155, 0.3156, 0.5782
Android (android.graphics.Color)	4282564630 (0xFF42C016)
YUV	134.9460, -55.6824, -60.4656
Hunter-Lab	62.3823, -48.3893, 36.8742

Details

The Yxy color **38.9155, 0.3156, 0.5782** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **10.6681, 0.2637, 0.1279**, and the grayscale version is **24.4235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8052, 0.3227, 0.5279**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.4312, 0.3112, 0.5901**, and if you desaturate by 10%, it is **39.5777, 0.3193, 0.5596**.

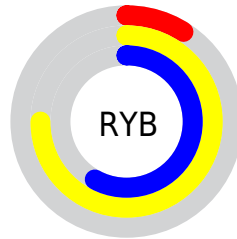
Distribution



Red (26%)

Green (75%)

Blue (9%)



Red (9%)

Yellow (75%)

Blue (58%)

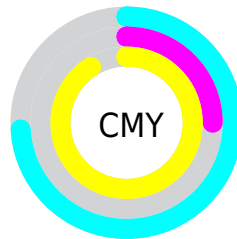


Cyan (66%)

Magenta (0%)

Yellow (89%)

Black (25%)



Cyan (74%)


Magenta (25%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9155, 0.3156, 0.5782 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 38.9155, 0.3156, 0.5782 by changing the saturation by 10% instead.


 38.9155, 0.3156,
0.5782


 38.9155, 0.3156,
0.5782

341.5311, 0.3257,
0.4428


 26.6940, 0.3078,
0.6125


 73.5092, 0.3229,
0.5278

 17.3435, 0.2943,
0.6550


 96.6502, 0.3245,
0.5091


 10.4797, 0.2751,
0.7183


 124.1998, 0.3254,
0.4934

 5.7182, 0.2302,
0.7698

 156.5425, 0.3259,
0.4801

 2.6745, 0.1474,
0.8526

 194.0625, 0.3261,
0.4687

 0.9643, 0.0000,
1.0000

 237.1444, 0.3261,

 0.0000, 0.0000,

0.4589

0.0000

286.1724, 0.3259,
0.4503

■ 38.9155, 0.3156,
0.5782

■ 38.9155, 0.3156,
0.5782

■ 38.4312, 0.3112,
0.5901

■ 39.5777, 0.3193,
0.5596

■ 38.3725, 0.3107,
0.5915

■ 40.4349, 0.3219,
0.5347

■ 41.5047, 0.3231,
0.5051

■ 42.8013, 0.3231,
0.4729

■ 44.3376, 0.3221,
0.4400

■ 46.1253, 0.3203,
0.4080

■ 48.1756, 0.3179,
0.3779

■ 50.4986, 0.3152,
0.3504

■ 53.1042, 0.3123,
0.3256

Harmonies

Analogous

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



38.9155, 0.4270, 0.5353



38.9155, 0.3156, 0.5782



38.9155, 0.2088, 0.4920

Triad

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



38.9155, 0.3156, 0.5782



38.9155, 0.1244, 0.1631



38.9155, 0.5173, 0.2859

Complementary

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



38.9155, 0.3156, 0.5782



10.6681, 0.2637, 0.1279

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.



38.9155, 0.3927, 0.2190



38.9155, 0.3156, 0.5782



38.9155, 0.1707, 0.1522

Square

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



38.9155, 0.3156, 0.5782



38.9155, 0.1130, 0.2147



38.9155, 0.2608, 0.1718



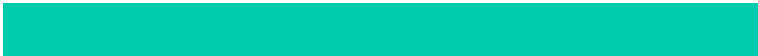
38.9155, 0.5627, 0.3613

Rectangle

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



38.9155, 0.3156, 0.5782



38.9155, 0.1559, 0.3820



38.9155, 0.2608, 0.1718



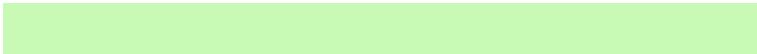
38.9155, 0.4817, 0.2622

Sweetspot

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



38.9171, 0.3156, 0.5782



83.9711, 0.3200, 0.4045



32.0250, 0.4641, 0.4606



17.7603, 0.3207, 0.4152



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.



38.9171, 0.3156, 0.5782



69.4244, 0.3098, 0.5922



38.2145, 0.2901, 0.5532



11.3822, 0.3154, 0.3525



25.8520, 0.3114, 0.5909



1.1515, 0.3286, 0.5773

Inverse Universe

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



10.6681, 0.2637, 0.1279



17.2286, 0.2550, 0.1178



14.0564, 0.3804, 0.1929



10.1120, 0.3097, 0.3060



6.4845, 0.2568, 0.1188



0.3118, 0.2718, 0.1271

Previews

White Background



This preview shows how the Yxy color 38.9155, 0.3156, 0.5782 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 38.9155, 0.3156, 0.5782 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 38.9155, 0.3156, 0.5782

Background



This preview shows how black text looks on a background with the Yxy color 38.9155, 0.3156, 0.5782.



This preview shows how white text looks on a background with the Yxy color 38.9155, 0.3156, 0.5782.

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

38.9155, 0.3156, 0.5782

Protanopia

38.3553, 0.4388, 0.4861

Deuteranopia

38.1985, 0.4588, 0.4494



Tritanopia

38.8572, 0.2464, 0.3077

Trichromacy



Original Color

38.9155, 0.3156, 0.5782



Protanomaly

37.0174, 0.3855, 0.5262



Deuteranomaly

36.0511, 0.3982, 0.5016



Tritanomaly

37.9944, 0.2784, 0.4188

Monochromacy



Original Color

38.9155, 0.3156, 0.5782



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.9001, 0.3221, 0.4419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9155, 0.3156, 0.5782 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(66, 192, 22)` looks like.

```
.text, #text, p{  
    color:rgb(66, 192, 22)  
}
```

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(66, 192, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 192, 22) }
```

Border

The CSS property to change the border of an element to Yxy 38.9155, 0.3156, 0.5782 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(66, 192, 22) }
```

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

```
.border{ border-color:rgb(66, 192, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 192, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 192, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 192, 22);  
box-shadow:4px 4px 4px 4px rgb(66, 192,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9155, 0.3156, 0.5782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 192, 22) }
```

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

```
.background{ background-color: rgb(66, 192,  
22) }
```

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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