

Converting Colors

$Yxy(38.6454, 0.3553, 0.4854)$

Have a look what the booklet for
Yxy(38.6454, 0.3553, 0.4854)
contains.

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Color

Yxy(38.6395, 0.3552, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	8BB44B
RGB	139, 180, 75
RGB Percent	55%, 71%, 29%
CMY	0.4549, 0.2941, 0.7059
CMYK	0.23, 0.00, 0.58, 0.29
HSL	83°, 41%, 50%
HSV	83°, 58%, 71%
XYZ	28.2402, 38.6395, 12.6254
YIQ	155.7710, 9.2690, -41.3470

Conversions

Conversions Part 2

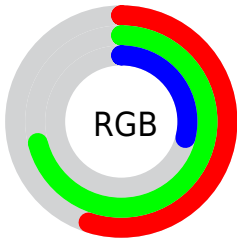
Format	Color
RYB	75, 180, 116
Decimal	9155659
CIELab	68.49, -30.54, 48.14
CIELCh	68, 57.012, 122.386
Yxy	38.6395, 0.3552, 0.4860
Android (android.graphics.Color)	4287345739 (0xFF8BB44B)
YUV	155.7710, -39.8201, -14.7082
Hunter-Lab	62.1607, -27.6868, 31.4701

Details

The Yxy color **38.6395, 0.3552, 0.4860** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.0393, 0.2408, 0.1615**, and the grayscale version is **33.3178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1253, 0.3506, 0.4551**, and **17.2113, 0.3591, 0.5346** is the 20% darker color. If you saturate the color by 10%, you get **37.8430, 0.3582, 0.5101**, and if you desaturate by 10%, it is **39.5480, 0.3502, 0.4593**.

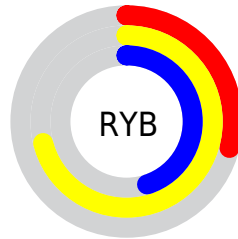
Distribution



Red (55%)

Green (71%)

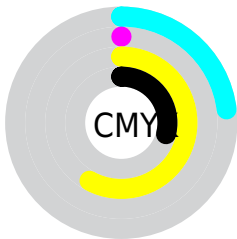
Blue (29%)



Red (29%)

Yellow (71%)

Blue (45%)

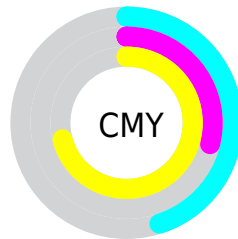


Cyan (23%)

Magenta (0%)

Yellow (58%)

Black (29%)



Cyan (45%)


Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6395, 0.3552, 0.4860 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 38.6395, 0.3552, 0.4860 by changing the saturation by 10% instead.


 38.6395, 0.3552,
0.4860


 38.6395, 0.3552,
0.4860


340.3554, 0.3378,
0.4025


 26.4794, 0.3574,
0.5075


 73.0873, 0.3502,
0.4549

 17.1826, 0.3587,
0.5351


 96.1437, 0.3479,
0.4434

 10.3648, 0.3572,
0.5708


 123.6011, 0.3458,
0.4338

 5.6415, 0.3582,
0.6341

 155.8438, 0.3439,
0.4256

 2.6283, 0.3229,
0.6771

 193.2561, 0.3421,
0.4186

 0.9409, 0.1358,
0.8642


236.2226, 0.3406,


 0.0000, 0.0000,


0.4125


0.0000

285.1275, 0.3391,
0.4072


 38.6395, 0.3552,
0.4860


 38.6395, 0.3552,
0.4860


 37.8430, 0.3582,
0.5101


 39.5480, 0.3502,
0.4593


 37.1466, 0.3589,
0.5303


 40.5695, 0.3438,
0.4313


 36.5442, 0.3572,
0.5457

 41.7112, 0.3362,
0.4030

 36.0232, 0.3535,
0.5564

 42.9781, 0.3281,
0.3755

 35.9413, 0.3528,
0.5581

 44.3750, 0.3197,
0.3494

■ 45.9065, 0.3113,
0.3251

■ 47.5766, 0.3032,
0.3027

■ 49.3896, 0.2955,
0.2824

■ 51.3491, 0.2881,
0.2641

Harmonies

Analogous

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



38.6395, 0.4279, 0.4592



38.6395, 0.3552, 0.4860



38.6395, 0.2755, 0.4536

Triad

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



38.6395, 0.3552, 0.4860



38.6395, 0.1716, 0.2263



38.6395, 0.4192, 0.2852

Complementary

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



38.6395, 0.3552, 0.4860



12.0393, 0.2408, 0.1615

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.



38.6395, 0.3342, 0.2382



38.6395, 0.3552, 0.4860



38.6395, 0.1978, 0.2041

Square

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



38.6395, 0.3552, 0.4860



38.6395, 0.1751, 0.2818



38.6395, 0.2535, 0.2094



38.6395, 0.4729, 0.3428

Rectangle

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



38.6395, 0.3552, 0.4860



38.6395, 0.2291, 0.3998



38.6395, 0.2535, 0.2094



38.6395, 0.3926, 0.2679

Sweetspot

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



38.6412, 0.3552, 0.4860



77.9335, 0.3281, 0.3755



22.5298, 0.4495, 0.3858



16.6964, 0.3305, 0.3832



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.6412, 0.3552, 0.4860



68.2364, 0.3586, 0.5163



35.1893, 0.3120, 0.5096



9.7378, 0.3205, 0.3519



25.1241, 0.3535, 0.5575



0.8230, 0.3722, 0.5427

Inverse Universe

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



12.0393, 0.2408, 0.1615



15.5112, 0.2210, 0.1267



16.6247, 0.3036, 0.1880



8.3865, 0.3044, 0.3059



3.2520, 0.1843, 0.0789



0.1366, 0.2181, 0.0975

Previews

White Background



This preview shows how the Yxy color 38.6395, 0.3552, 0.4860 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 38.6395, 0.3552, 0.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

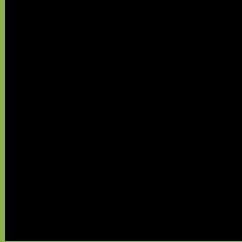
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6395, 0.3552, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 38.6395, 0.3552, 0.4860.



This preview shows how white text looks on a background with the Yxy color 38.6395, 0.3552, 0.4860.

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

38.6395, 0.3552, 0.4860

Protanopia

38.4067, 0.4118, 0.4524

Deuteranopia

38.3695, 0.4313, 0.4237



Tritanopia

38.5256, 0.2882, 0.3104

Trichromacy



Original Color

38.6395, 0.3552, 0.4860

Protanomaly

38.2978, 0.3901, 0.4659

Deuteranomaly

38.0257, 0.4022, 0.4461

Tritanomaly

38.1662, 0.3150, 0.3744

Monochromacy



Original Color

38.6395, 0.3552, 0.4860

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.9266, 0.3317, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6395, 0.3552, 0.4860 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(139, 180, 75)` looks like.

```
.text, #text, p{  
    color:rgb(139, 180, 75)  
}
```

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(139, 180, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 180, 75) }
```

Border

The CSS property to change the border of an element to Yxy 38.6395, 0.3552, 0.4860 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(139, 180, 75) }
```

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

```
.border{ border-color:rgb(139, 180, 75) }
```

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

Here you see how a box with a 4 pixel rgb(139, 180, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 180, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 180, 75);  
box-shadow:4px 4px 4px 4px rgb(139, 180,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6395, 0.3552, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 180, 75) }
```

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

```
.background{ background-color: rgb(139,  
180, 75) }
```

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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