

Converting Colors

$Yxy(38.3384, 0.3363, 0.4529)$

Have a look what the booklet for
Yxy(38.3384, 0.3363, 0.4529)
contains.

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Color

Yxy(38.3112, 0.3355, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	87B364
RGB	135, 179, 100
RGB Percent	53%, 70%, 39%
CMY	0.4706, 0.2980, 0.6077
CMYK	0.25, 0.00, 0.44, 0.30
HSL	93°, 34%, 55%
HSV	93°, 44%, 70%
XYZ	28.4116, 38.3112, 17.9616
YIQ	156.8380, -0.8650, -33.8970

Conversions

Conversions Part 2

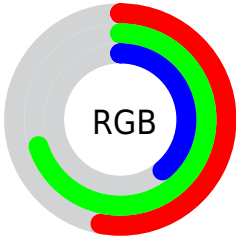
Format	Color
RYB	100, 179, 144
Decimal	8893284
CIELab	68.25, -28.83, 35.57
CIELCh	68, 45.786, 129.024
Yxy	38.3112, 0.3355, 0.4524
Android (android.graphics.Color)	4287083364 (0xFF87B364)
YUV	156.8380, -28.0211, -19.1519
Hunter-Lab	61.8960, -26.3828, 26.1219

Details

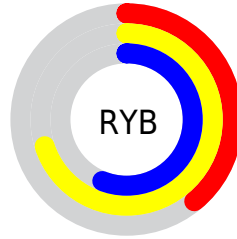
The Yxy color **38.3112, 0.3355, 0.4524** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.3092, 0.2769, 0.2094**, and the grayscale version is **33.7697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6308, 0.3330, 0.4273**, and **16.9997, 0.3377, 0.4938** is the 20% darker color. If you saturate the color by 10%, you get **37.2142, 0.3385, 0.4824**, and if you desaturate by 10%, it is **39.5652, 0.3313, 0.4221**.

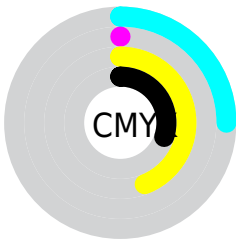
Distribution



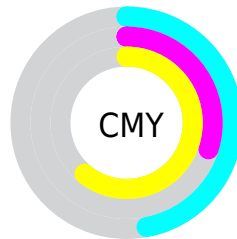
- Red (53%)
- Green (70%)
- Blue (39%)



- Red (39%)
- Yellow (70%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)





- Cyan (47%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3112, 0.3355, 0.4524 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 38.3112, 0.3355, 0.4524 by changing the saturation by 10% instead.


 38.3112, 0.3355,
0.4524


 38.3112, 0.3355,
0.4524


338.9531, 0.3262,
0.3859

 26.2243, 0.3368,
0.4703


 72.5849, 0.3328,
0.4272


 16.9915, 0.3377,
0.4940


 95.5404, 0.3315,
0.4180

 10.2284, 0.3372,
0.5264


 122.8877, 0.3304,
0.4104

 5.5507, 0.3328,
0.5725

 155.0110, 0.3294,
0.4040

 2.5738, 0.3312,
0.6688

192.2949, 0.3285,
0.3985

 0.9135, 0.1524,
0.8476

235.1235, 0.3276,

 0.0000, 0.0000,

0.3937

0.0000

283.8815, 0.3269,
0.3896

■ 38.3112, 0.3355,
0.4524

■ 38.3112, 0.3355,
0.4524

■ 37.2142, 0.3385,
0.4824

■ 39.5652, 0.3313,
0.4221

■ 36.2621, 0.3398,
0.5107

■ 40.9780, 0.3263,
0.3926

■ 35.4488, 0.3393,
0.5356


■ 42.5572, 0.3208,
0.3647


■ 34.7653, 0.3367,
0.5558


■ 44.3089, 0.3151,
0.3389

■ 34.2014, 0.3323,
0.5701

■ 46.2384, 0.3094,
0.3155

 33.9145, 0.3293,
0.5767

 48.3510, 0.3038,
0.2943

 50.6518, 0.2985,
0.2754

 53.1455, 0.2934,
0.2586

 55.4352, 0.2929,
0.2492

Harmonies

Analogous

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



38.3112, 0.3977, 0.4443



38.3112, 0.3355, 0.4524



38.3112, 0.2705, 0.4144

Triad

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



38.3112, 0.3355, 0.4524



38.3112, 0.1976, 0.2388



38.3112, 0.4112, 0.3043

Complementary

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



38.3112, 0.3355, 0.4524



18.3092, 0.2769, 0.2094

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.



38.3112, 0.3467, 0.2612



38.3112, 0.3355, 0.4524



38.3112, 0.2258, 0.2241

Square

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



38.3112, 0.3355, 0.4524



38.3112, 0.1953, 0.2800



38.3112, 0.2782, 0.2328



38.3112, 0.4463, 0.3548

Rectangle

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



38.3112, 0.3355, 0.4524



38.3112, 0.2345, 0.3696



38.3112, 0.2782, 0.2328



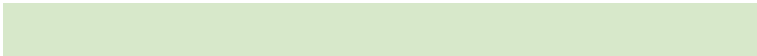
38.3112, 0.3918, 0.2887

Sweetspot

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



38.3129, 0.3355, 0.4524



76.4829, 0.3203, 0.3623



30.2906, 0.3979, 0.3915



16.8004, 0.3215, 0.3682



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.



38.3129, 0.3355, 0.4524



66.6862, 0.3384, 0.4818



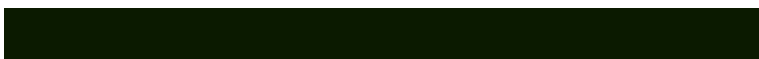
35.9526, 0.3038, 0.4574



9.6680, 0.3181, 0.3521



24.0014, 0.3302, 0.5761



0.7900, 0.3532, 0.5578

Inverse Universe

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



18.3092, 0.2769, 0.2094



26.1993, 0.2662, 0.1820



21.8022, 0.3223, 0.2274



8.4559, 0.3069, 0.3061



4.2443, 0.2153, 0.0960



0.1674, 0.2445, 0.1121

Previews

White Background



This preview shows how the Yxy color 38.3112, 0.3355, 0.4524 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 38.3112, 0.3355, 0.4524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

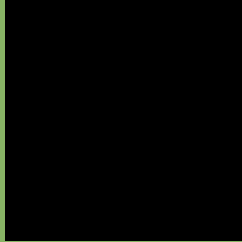
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3112, 0.3355, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 38.3112, 0.3355, 0.4524.



This preview shows how white text looks on a background with the Yxy color 38.3112, 0.3355, 0.4524.

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

38.3112, 0.3355, 0.4524

Protanopia

38.0437, 0.3916, 0.4257

Deuteranopia

37.7530, 0.4064, 0.3975



Tritanopia

37.9979, 0.2825, 0.3088

Trichromacy



Original Color

38.3112, 0.3355, 0.4524

Protanomaly

37.9882, 0.3698, 0.4358

Deuteranomaly

37.4818, 0.3787, 0.4176

Tritanomaly

38.0267, 0.3026, 0.3593

Monochromacy



Original Color

38.3112, 0.3355, 0.4524

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0774, 0.3228, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3112, 0.3355, 0.4524 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(135, 179, 100)` looks like.

```
.text, #text, p{  
    color:rgb(135, 179, 100)  
}
```

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(135, 179, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 100) }
```

Border

The CSS property to change the border of an element to Yxy 38.3112, 0.3355, 0.4524 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(135, 179, 100) }
```

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

```
.border{ border-color:rgb(135, 179, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 179, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 100);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3112, 0.3355, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 179, 100) }
```

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

```
.background{ background-color: rgb(135,  
179, 100) }
```

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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