

Converting Colors

$Yxy(38.1156, 0.3466, 0.4439)$

Have a look what the booklet for
Yxy(38.1156, 0.3466, 0.4439)
contains.

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Color

Yxy(38.1012, 0.3460, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	92B065
RGB	146, 176, 101
RGB Percent	57%, 69%, 40%
CMY	0.4273, 0.3098, 0.6039
CMYK	0.17, 0.00, 0.43, 0.31
HSL	84°, 32%, 54%
HSV	84°, 43%, 69%
XYZ	29.7317, 38.1012, 18.0968
YIQ	158.4800, 6.1950, -29.6850

Conversions

Conversions Part 2

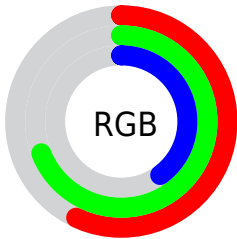
Format	Color
RYB	101, 176, 131
Decimal	9613413
CIELab	68.10, -23.06, 35.03
CIELCh	68, 41.941, 123.362
Yxy	38.1012, 0.3460, 0.4434
Android (android.graphics.Color)	4287803493 (0xFF92B065)
YUV	158.4800, -28.3376, -10.9450
Hunter-Lab	61.7262, -22.0427, 25.8258

Details

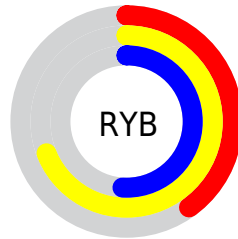
The Yxy color **38.1012, 0.3460, 0.4434** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.2628, 0.2652, 0.2096**, and the grayscale version is **34.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4306, 0.3409, 0.4207**, and **16.7935, 0.3524, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **37.1691, 0.3517, 0.4711**, and if you desaturate by 10%, it is **39.1502, 0.3390, 0.4151**.

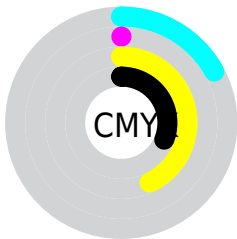
Distribution



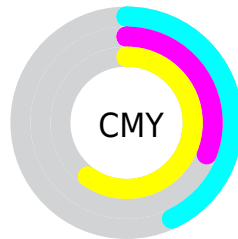
- Red (57%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (51%)



- Cyan (17%)
- Magenta (0%)
- Yellow (43%)
- Black (31%)





- Cyan (43%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1012, 0.3460, 0.4434 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 38.1012, 0.3460, 0.4434 by changing the saturation by 10% instead.


 38.1012, 0.3460,
0.4434


 38.1012, 0.3460,
0.4434


338.0539, 0.3309,
0.3823


 26.0612, 0.3489,
0.4597


 72.2632, 0.3410,
0.4204

 16.8695, 0.3520,
0.4811


 95.1541, 0.3390,
0.4119

 10.1415, 0.3547,
0.5101


 122.4307, 0.3372,
0.4049

 5.4929, 0.3551,
0.5508

 154.4775, 0.3356,
0.3990

 2.5392, 0.3629,
0.6371

191.6788, 0.3342,
0.3939

 0.8962, 0.2437,
0.7563

234.4190, 0.3330,

 0.0000, 0.0000,

0.3895

0.0000

283.0826, 0.3319,
0.3857

■ 38.1012, 0.3460,
0.4434

■ 38.1012, 0.3460,
0.4434

■ 37.1691, 0.3517,
0.4711

■ 39.1502, 0.3390,
0.4151

■ 36.3434, 0.3557,
0.4970

■ 40.3161, 0.3313,
0.3871

■ 35.6196, 0.3576,
0.5198


■ 41.6052, 0.3231,
0.3604

■ 34.9911, 0.3572,
0.5382

■ 43.0219, 0.3149,
0.3353


■ 34.4497, 0.3545,
0.5516


■ 44.5704, 0.3068,
0.3121

 34.0941, 0.3515,
0.5591

 46.2545, 0.2990,
0.2909

 48.0781, 0.2916,
0.2718

 50.0448, 0.2847,
0.2546

 51.8718, 0.2811,
0.2432

Harmonies

Analogous

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



38.1012, 0.4009, 0.4305



38.1012, 0.3460, 0.4434



38.1012, 0.2851, 0.4162

Triad

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



38.1012, 0.3460, 0.4434



38.1012, 0.2035, 0.2512



38.1012, 0.3934, 0.2982

Complementary

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



38.1012, 0.3460, 0.4434



17.2628, 0.2652, 0.2096

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.



38.1012, 0.3320, 0.2600



38.1012, 0.3460, 0.4434



38.1012, 0.2255, 0.2325

Square

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



38.1012, 0.3460, 0.4434



38.1012, 0.2063, 0.2944



38.1012, 0.2705, 0.2365



38.1012, 0.4321, 0.3447

Rectangle

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



38.1012, 0.3460, 0.4434



38.1012, 0.2494, 0.3785



38.1012, 0.2705, 0.2365



38.1012, 0.3743, 0.2842

Sweetspot

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



38.1029, 0.3460, 0.4434



75.3108, 0.3236, 0.3620



26.0668, 0.4022, 0.3717



16.2078, 0.3254, 0.3676



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.1029, 0.3460, 0.4434



67.5302, 0.3514, 0.4692



35.2879, 0.3136, 0.4559



9.7339, 0.3204, 0.3519



25.0509, 0.3521, 0.5586



0.8210, 0.3711, 0.5436

Inverse Universe

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



17.2628, 0.2652, 0.2096



24.7679, 0.2518, 0.1813



20.6829, 0.3071, 0.2231



8.3903, 0.3045, 0.3059



3.2963, 0.1858, 0.0797



0.1381, 0.2195, 0.0983

Previews

White Background



This preview shows how the Yxy color 38.1012, 0.3460, 0.4434 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 38.1012, 0.3460, 0.4434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

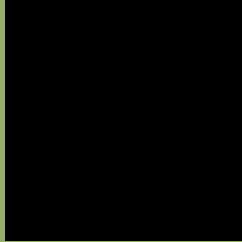
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1012, 0.3460, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 38.1012, 0.3460, 0.4434.



This preview shows how white text looks on a background with the Yxy color 38.1012, 0.3460, 0.4434.

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

38.1012, 0.3460, 0.4434

Protanopia

37.9593, 0.3889, 0.4236

Deuteranopia

37.7530, 0.4064, 0.3975



Tritanopia

38.1008, 0.2931, 0.3105

Trichromacy



Original Color

38.1012, 0.3460, 0.4434

Protanomaly

37.9561, 0.3726, 0.4321

Deuteranomaly

37.6130, 0.3825, 0.4137

Tritanomaly

37.7561, 0.3132, 0.3573

Monochromacy



Original Color

38.1012, 0.3460, 0.4434

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.5864, 0.3268, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1012, 0.3460, 0.4434 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(146, 176, 101)` looks like.

```
.text, #text, p{  
    color:rgb(146, 176, 101)  
}
```

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(146, 176, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 176, 101) }
```

Border

The CSS property to change the border of an element to Yxy 38.1012, 0.3460, 0.4434 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(146, 176, 101) }
```

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

```
.border{ border-color:rgb(146, 176, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 176, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 176, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 176, 101);  
box-shadow:4px 4px 4px 4px rgb(146, 176,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1012, 0.3460, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 176, 101) }
```

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

```
.background{ background-color: rgb(146,  
176, 101) }
```

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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