

Converting Colors

$Yxy(38.8689, 0.3382, 0.4918)$

Have a look what the booklet for
Yxy(38.8689, 0.3382, 0.4918)
contains.

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Color

Yxy(38.7166, 0.3381, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	7CB74F
RGB	124, 183, 79
RGB Percent	49%, 72%, 31%
CMY	0.5138, 0.2823, 0.6902
CMYK	0.32, 0.00, 0.57, 0.28
HSL	94°, 42%, 51%
HSV	94°, 57%, 72%
XYZ	26.6546, 38.7166, 13.4653
YIQ	153.5030, -1.7800, -44.8520

Conversions

Conversions Part 2

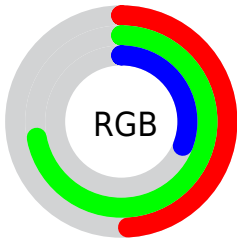
Format	Color
RYB	79, 183, 138
Decimal	8173391
CIELab	68.55, -37.14, 46.12
CIElCh	69, 59.221, 128.844
Yxy	38.7166, 0.3381, 0.4911
Android (android.graphics.Color)	4286363471 (0xFF7CB74F)
YUV	153.5030, -36.7300, -25.8741
Hunter-Lab	62.2227, -32.4248, 30.7252

Details

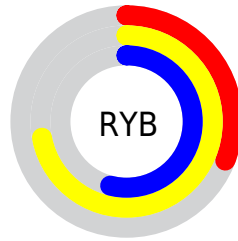
The Yxy color **38.7166, 0.3381, 0.4911** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **14.4176, 0.2640, 0.1744**, and the grayscale version is **32.2490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9554, 0.3363, 0.4581**, and **17.3419, 0.3363, 0.5454** is the 20% darker color. If you saturate the color by 10%, you get **37.7540, 0.3388, 0.5188**, and if you desaturate by 10%, it is **39.8374, 0.3357, 0.4612**.

Distribution



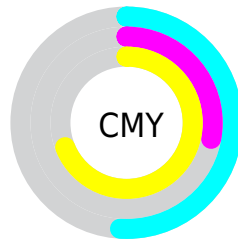
- Red (49%)
- Green (72%)
- Blue (31%)



- Red (31%)
- Yellow (72%)
- Blue (54%)



- Cyan (32%)
- Magenta (0%)
- Yellow (57%)
- Black (28%)





- Cyan (51%)
- Magenta (28%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7166, 0.3381, 0.4911 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 38.7166, 0.3381, 0.4911 by changing the saturation by 10% instead.

 38.7166, 0.3381,
0.4911


 38.7166, 0.3381,
0.4911


340.6841, 0.3296,
0.4036


 26.5393, 0.3381,
0.5143


 73.2052, 0.3364,
0.4581


 17.2276, 0.3366,
0.5444

 96.2853, 0.3353,
0.4460


 10.3969, 0.3315,
0.5843


 123.7684, 0.3342,
0.4360

 5.6629, 0.3245,
0.6507

 156.0391, 0.3331,
0.4275

 2.6412, 0.2867,
0.7133

 193.4816, 0.3322,
0.4202

 0.9474, 0.0000,
1.0000

236.4803, 0.3312,

 0.0000, 0.0000,

0.4139

0.0000

285.4197, 0.3304,
0.4085

■ 38.7166, 0.3381,
0.4911

■ 38.7166, 0.3381,
0.4911

■ 37.7540, 0.3388,
0.5188

■ 39.8374, 0.3357,
0.4612

■ 36.9360, 0.3376,
0.5427

■ 41.1193, 0.3320,
0.4306

■ 36.2543, 0.3344,
0.5614

■ 42.5712, 0.3273,
0.4007

■ 35.6962, 0.3296,
0.5743

■ 44.1998, 0.3221,
0.3722

■ 35.5385, 0.3280,
0.5778

■ 46.0117, 0.3165,
0.3457

■ 48.0127, 0.3110,
0.3216

■ 50.2086, 0.3055,
0.2998

■ 52.6048, 0.3002,
0.2803

■ 55.2066, 0.2952,
0.2630

Harmonies

Analogous

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



38.7166, 0.4166, 0.4729



38.7166, 0.3381, 0.4911



38.7166, 0.2572, 0.4430

Triad

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



38.7166, 0.3381, 0.4911



38.7166, 0.1706, 0.2152



38.7166, 0.4392, 0.2956

Complementary

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



38.7166, 0.3381, 0.4911



14.4176, 0.2640, 0.1744

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.



38.7166, 0.3546, 0.2443



38.7166, 0.3381, 0.4911



38.7166, 0.2039, 0.1992

Square

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



38.7166, 0.3381, 0.4911



38.7166, 0.1673, 0.2642



38.7166, 0.2674, 0.2103



38.7166, 0.4837, 0.3559

Rectangle

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



38.7166, 0.3381, 0.4911



38.7166, 0.2131, 0.3816



38.7166, 0.2674, 0.2103



38.7166, 0.4137, 0.2771

Sweetspot

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



38.7183, 0.3381, 0.4911



79.0155, 0.3223, 0.3734



28.7923, 0.4277, 0.4102



17.3184, 0.3234, 0.3790



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.7183, 0.3381, 0.4911



67.2521, 0.3387, 0.5247



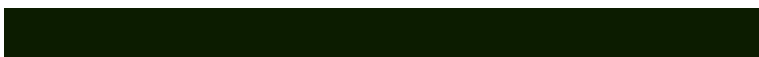
36.2035, 0.3005, 0.4982



10.2449, 0.3179, 0.3522



24.8289, 0.3288, 0.5771



0.9120, 0.3501, 0.5602

Inverse Universe

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



14.4176, 0.2640, 0.1744



19.5374, 0.2499, 0.1440



18.7981, 0.3275, 0.2041



8.9642, 0.3071, 0.3060



4.4737, 0.2173, 0.0971



0.1935, 0.2438, 0.1117

Previews

White Background



This preview shows how the Yxy color 38.7166, 0.3381, 0.4911 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 38.7166, 0.3381, 0.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

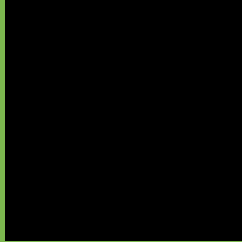
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7166, 0.3381, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 38.7166, 0.3381, 0.4911.



This preview shows how white text looks on a background with the Yxy color 38.7166, 0.3381, 0.4911.

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

38.7166, 0.3381, 0.4911

Protanopia

38.4461, 0.4098, 0.4493

Deuteranopia

38.3055, 0.4263, 0.4190



Tritanopia

38.6257, 0.2751, 0.3086

Trichromacy



Original Color

38.7166, 0.3381, 0.4911

Protanomaly

38.1955, 0.3819, 0.4652

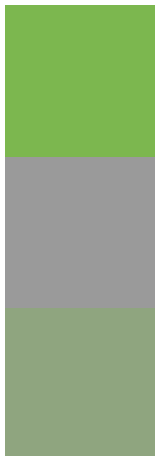
Deuteranomaly

37.7438, 0.3925, 0.4456

Tritanomaly

38.2256, 0.2996, 0.3740

Monochromacy



Original Color

38.7166, 0.3381, 0.4911

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.2822, 0.3248, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7166, 0.3381, 0.4911 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(124, 183, 79)` looks like.

```
.text, #text, p{  
    color:rgb(124, 183, 79)  
}
```

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(124, 183, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 183, 79) }
```

Border

The CSS property to change the border of an element to Yxy 38.7166, 0.3381, 0.4911 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(124, 183, 79) }
```

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

```
.border{ border-color:rgb(124, 183, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 183, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 183, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 183, 79);  
box-shadow:4px 4px 4px 4px rgb(124, 183,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7166, 0.3381, 0.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 183, 79) }
```

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

```
.background{ background-color: rgb(124,  
183, 79) }
```

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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