

Converting Colors

$Yxy(38.0621, 0.3086, 0.4160)$

Have a look what the booklet for
Yxy(38.0621, 0.3086, 0.4160)
contains.

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Color

Yxy(38.0808, 0.3087, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	7DB37D
RGB	125, 179, 125
RGB Percent	49%, 70%, 49%
CMY	0.5096, 0.2981, 0.5098
CMYK	0.30, 0.00, 0.30, 0.30
HSL	120°, 26%, 60%
HSV	120°, 30%, 70%
XYZ	28.2857, 38.0808, 25.2620
YIQ	156.6980, -14.8500, -28.2420

Conversions

Conversions Part 2

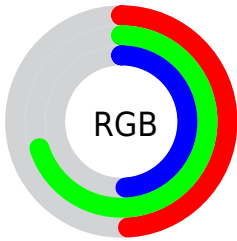
Format	Color
RYB	125, 179, 179
Decimal	8237949
CIELab	68.08, -28.59, 22.07
CIElCh	68, 36.121, 142.336
Yxy	38.0808, 0.3087, 0.4156
Android (android.graphics.Color)	4286428029 (0xFF7DB37D)
YUV	156.6980, -15.6271, -27.7991
Hunter-Lab	61.7096, -26.1732, 18.9253

Details

The Yxy color **38.0808, 0.3087, 0.4156** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.4983, 0.3161, 0.2553**, and the grayscale version is **33.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2147, 0.3101, 0.3976**, and **16.8994, 0.3052, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **36.4378, 0.3071, 0.4501**, and if you desaturate by 10%, it is **40.0517, 0.3102, 0.3836**.

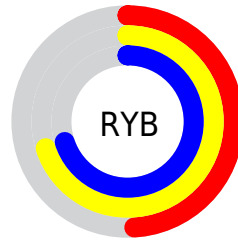
Distribution



Red (49%)

Green (70%)

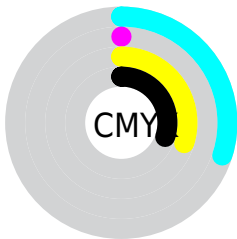
Blue (49%)



Red (49%)

Yellow (70%)

Blue (70%)

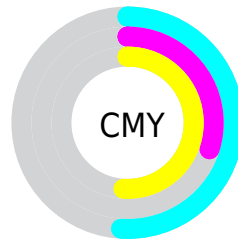


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (30%)



Cyan (51%)


Magenta (30%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0808, 0.3087, 0.4156 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 38.0808, 0.3087, 0.4156 by changing the saturation by 10% instead.


 38.0808, 0.3087,
0.4156


 38.0808, 0.3087,
0.4156


337.9665, 0.3119,
0.3688

 26.0454, 0.3074,
0.4285


 72.2320, 0.3102,
0.3977

 16.8576, 0.3053,
0.4459


 95.1165, 0.3107,
0.3912

 10.1330, 0.3019,
0.4704


 122.3863, 0.3110,
0.3859

 5.4872, 0.2955,
0.5072

154.4256, 0.3113,
0.3814

 2.5359, 0.2841,
0.5723

191.6189, 0.3115,
0.3775

 0.8945, 0.1454,
0.8546

234.3505, 0.3117,

 0.0000, 0.0000,

0.3742

0.0000

283.0049, 0.3118,
0.3713

■ 38.0808, 0.3087,
0.4156

■ 38.0808, 0.3087,
0.4156

■ 36.4378, 0.3071,
0.4501

■ 40.0517, 0.3102,
0.3836

■ 35.1006, 0.3054,
0.4856

■ 42.3618, 0.3115,
0.3548

■ 34.0515, 0.3038,
0.5200


■ 45.0278, 0.3127,
0.3294

■ 33.2695, 0.3024,
0.5507


■ 48.0639, 0.3137,
0.3073


■ 32.7305, 0.3012,
0.5750


■ 51.4834, 0.3146,
0.2883

 32.4060, 0.3004,
0.5912

 55.2991, 0.3153,
0.2719

 32.2384, 0.3000,
0.6000

 59.5230, 0.3160,
0.2579

 60.7171, 0.3162,
0.2546

Harmonies

Analogous

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



38.0808, 0.3613, 0.4269



38.0808, 0.3087, 0.4156



38.0808, 0.2596, 0.3732

Triad

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



38.0808, 0.3087, 0.4156



38.0808, 0.2269, 0.2485



38.0808, 0.4065, 0.3283

Complementary

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



38.0808, 0.3087, 0.4156



27.4983, 0.3161, 0.2553

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.



38.0808, 0.3642, 0.2889



38.0808, 0.3087, 0.4156



38.0808, 0.2597, 0.2444

Square

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



38.0808, 0.3087, 0.4156



38.0808, 0.2153, 0.2735



38.0808, 0.3093, 0.2591



38.0808, 0.4206, 0.3706

Rectangle

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



38.0808, 0.3087, 0.4156



38.0808, 0.2353, 0.3366



38.0808, 0.3093, 0.2591



38.0808, 0.3950, 0.3145

Sweetspot

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



38.0824, 0.3087, 0.4156



76.3295, 0.3116, 0.3521



42.9412, 0.3578, 0.4019



16.7679, 0.3115, 0.3560



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.



38.0824, 0.3087, 0.4156



66.2478, 0.3077, 0.4376



38.8349, 0.2895, 0.3726



9.4905, 0.3116, 0.3525



22.7835, 0.3000, 0.6000



0.7170, 0.3002, 0.5999

Inverse Universe

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



27.4983, 0.3161, 0.2553



44.3191, 0.3168, 0.2400



26.5473, 0.3451, 0.2893



8.6463, 0.3138, 0.3066



9.0564, 0.3207, 0.1540



0.2851, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 38.0808, 0.3087, 0.4156 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 38.0808, 0.3087, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

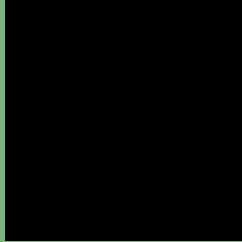
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0808, 0.3087, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 38.0808, 0.3087, 0.4156.



This preview shows how white text looks on a background with the Yxy color 38.0808, 0.3087, 0.4156.

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

38.0808, 0.3087, 0.4156

Protanopia

37.7072, 0.3671, 0.3939

Deuteranopia

37.7187, 0.3756, 0.3694



Tritanopia

37.8628, 0.2726, 0.3084

Trichromacy



Original Color

38.0808, 0.3087, 0.4156

Protanomaly

37.5009, 0.3445, 0.4021

Deuteranomaly

37.1558, 0.3485, 0.3844

Tritanomaly

37.8220, 0.2858, 0.3458

Monochromacy



Original Color

38.0808, 0.3087, 0.4156

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9743, 0.3113, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0808, 0.3087, 0.4156 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(125, 179, 125)` looks like.

```
.text, #text, p{  
    color:rgb(125, 179, 125)  
}
```

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(125, 179, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 179, 125) }
```

Border

The CSS property to change the border of an element to Yxy 38.0808, 0.3087, 0.4156 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(125, 179, 125) }
```

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

```
.border{ border-color:rgb(125, 179, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 179, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 179, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 179, 125);  
box-shadow:4px 4px 4px 4px rgb(125, 179,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0808, 0.3087, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 179, 125) }
```

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

```
.background{ background-color: rgb(125,  
179, 125) }
```

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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