

Converting Colors

$Yxy(37.5939, 0.3115, 0.4205)$

Have a look what the booklet for
Yxy(37.5939, 0.3115, 0.4205)
contains.

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Color

Yxy(37.5812, 0.3117, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	7DB279
RGB	125, 178, 121
RGB Percent	49%, 70%, 47%
CMY	0.5097, 0.3020, 0.5255
CMYK	0.30, 0.00, 0.32, 0.30
HSL	116°, 27%, 59%
HSV	116°, 32%, 70%
XYZ	27.8310, 37.5812, 23.8755
YIQ	155.6550, -13.2910, -28.9630

Conversions

Conversions Part 2

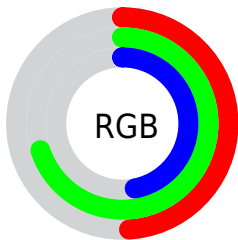
Format	Color
RYB	121, 178, 174
Decimal	8237689
CIELab	67.71, -28.80, 23.73
CIELCh	68, 37.314, 140.519
Yxy	37.5812, 0.3117, 0.4209
Android (android.graphics.Color)	4286427769 (0xFF7DB279)
YUV	155.6550, -17.0849, -26.8844
Hunter-Lab	61.3035, -26.2445, 19.8211

Details

The Yxy color **37.5812, 0.3117, 0.4209** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.8854, 0.3119, 0.2498**, and the grayscale version is **33.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4853, 0.3126, 0.4015**, and **16.5910, 0.3090, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **36.0422, 0.3108, 0.4550**, and if you desaturate by 10%, it is **39.4114, 0.3123, 0.3889**.

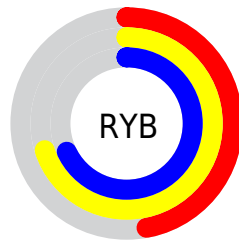
Distribution



Red (49%)

Green (70%)

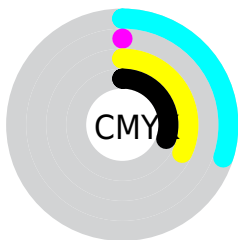
Blue (47%)



Red (47%)

Yellow (70%)

Blue (68%)

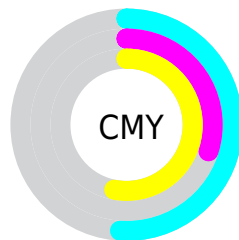


Cyan (30%)

Magenta (0%)

Yellow (32%)

Black (30%)



Cyan (51%)


Magenta (30%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5812, 0.3117, 0.4209 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 37.5812, 0.3117, 0.4209 by changing the saturation by 10% instead.


 37.5812, 0.3117,
0.4209


 37.5812, 0.3117,
0.4209


335.8200, 0.3135,
0.3711

 25.6578, 0.3107,
0.4347

 71.4658, 0.3127,
0.4018

 16.5678, 0.3090,
0.4532


 94.1957, 0.3130,
0.3949

 9.9268, 0.3059,
0.4794


 121.2967, 0.3132,
0.3893

 5.3505, 0.2997,
0.5186

153.1530, 0.3133,
0.3845

 2.4543, 0.2909,
0.5939

190.1491, 0.3134,
0.3804

 0.8536, 0.1126,
0.8874

232.6694, 0.3135,

 0.0000, 0.0000,

0.3768

0.0000

281.0982, 0.3135,
0.3738

■ 37.5812, 0.3117,
0.4209

■ 37.5812, 0.3117,
0.4209

■ 36.0422, 0.3108,
0.4550

■ 39.4114, 0.3123,
0.3889

■ 34.7748, 0.3097,
0.4899

■ 41.5417, 0.3126,
0.3598

■ 33.7648, 0.3082,
0.5233


■ 43.9864, 0.3127,
0.3338

■ 32.9944, 0.3064,
0.5529


■ 46.7576, 0.3127,
0.3111


■ 32.4437, 0.3045,
0.5761


■ 49.8666, 0.3126,
0.2914

 32.0895, 0.3026,
0.5914

 53.3244, 0.3124,
0.2743

 31.9231, 0.3016,
0.5987

 57.1414, 0.3121,
0.2596

 60.3209, 0.3163,
0.2536

Harmonies

Analogous

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



37.5812, 0.3660, 0.4302



37.5812, 0.3117, 0.4209



37.5812, 0.2603, 0.3782

Triad

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



37.5812, 0.3117, 0.4209



37.5812, 0.2226, 0.2466



37.5812, 0.4081, 0.3254

Complementary

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



37.5812, 0.3117, 0.4209



25.8854, 0.3119, 0.2498

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.



37.5812, 0.3628, 0.2852



37.5812, 0.3117, 0.4209



37.5812, 0.2552, 0.2413

Square

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



37.5812, 0.3117, 0.4209



37.5812, 0.2121, 0.2736



37.5812, 0.3056, 0.2554



37.5812, 0.4247, 0.3691

Rectangle

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



37.5812, 0.3117, 0.4209



37.5812, 0.2344, 0.3402



37.5812, 0.3056, 0.2554



37.5812, 0.3956, 0.3113

Sweetspot

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



37.5828, 0.3117, 0.4209



76.1096, 0.3126, 0.3547



40.8286, 0.3620, 0.4016



16.7324, 0.3126, 0.3585



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.



37.5828, 0.3117, 0.4209



66.2436, 0.3112, 0.4434



37.9424, 0.2909, 0.3820



9.5178, 0.3126, 0.3524



22.8522, 0.3019, 0.5985



0.7284, 0.3097, 0.5923

Inverse Universe

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



25.8854, 0.3119, 0.2498



41.8779, 0.3115, 0.2336



25.4811, 0.3431, 0.2816



8.6156, 0.3127, 0.3065



8.0692, 0.3035, 0.1446



0.2629, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 37.5812, 0.3117, 0.4209 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 37.5812, 0.3117, 0.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

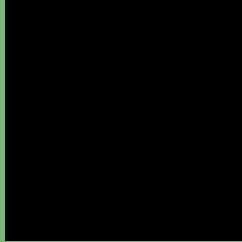
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5812, 0.3117, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 37.5812, 0.3117, 0.4209.



This preview shows how white text looks on a background with the Yxy color 37.5812, 0.3117, 0.4209.

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

37.5812, 0.3117, 0.4209

Protanopia

37.1358, 0.3702, 0.3984

Deuteranopia

37.2718, 0.3800, 0.3735



Tritanopia

37.4444, 0.2732, 0.3083

Trichromacy



Original Color

37.5812, 0.3117, 0.4209

Protanomaly

36.9294, 0.3472, 0.4070

Deuteranomaly

36.6903, 0.3524, 0.3890

Tritanomaly

37.3659, 0.2872, 0.3474

Monochromacy



Original Color

37.5812, 0.3117, 0.4209

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5538, 0.3131, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5812, 0.3117, 0.4209 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, 178, 121)` looks like.

```
.text, #text, p{  
    color:rgb(125, 178, 121)  
}
```

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, 178, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 178, 121) }
```

Border

The CSS property to change the border of an element to Yxy 37.5812, 0.3117, 0.4209 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, 178, 121) }
```

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

```
.border{ border-color:rgb(125, 178, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 178, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 178, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 178, 121);  
box-shadow:4px 4px 4px 4px rgb(125, 178,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5812, 0.3117, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 178, 121) }
```

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

```
.background{ background-color: rgb(125,  
178, 121) }
```

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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