

Converting Colors

$Y_{xy}(37.9192, 0.3138, 0.4159)$

Have a look what the booklet for
Yxy(37.9192, 0.3138, 0.4159)
contains.

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Color

Yxy(38.0167, 0.3144, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	82B27B
RGB	130, 178, 123
RGB Percent	51%, 70%, 48%
CMY	0.4903, 0.3019, 0.5177
CMYK	0.27, 0.00, 0.31, 0.30
HSL	112°, 26%, 59%
HSV	112°, 31%, 70%
XYZ	28.6974, 38.0167, 24.5625
YIQ	157.3780, -10.9530, -27.2810

Conversions

Conversions Part 2

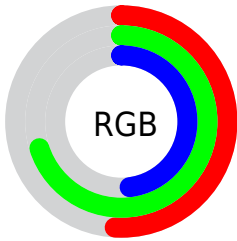
Format	Color
RYB	123, 178, 171
Decimal	8565371
CIELab	68.03, -26.78, 23.13
CIELCh	68, 35.388, 139.176
Yxy	38.0167, 0.3144, 0.4165
Android (android.graphics.Color)	4286755451 (0xFF82B27B)
YUV	157.3780, -16.9484, -24.0105
Hunter-Lab	61.6577, -24.8216, 19.5411

Details

The Yxy color **38.0167, 0.3144, 0.4165** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.0422, 0.3086, 0.2518**, and the grayscale version is **33.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1706, 0.3147, 0.3983**, and **16.8239, 0.3127, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **36.4748, 0.3143, 0.4499**, and if you desaturate by 10%, it is **39.8286, 0.3141, 0.3852**.

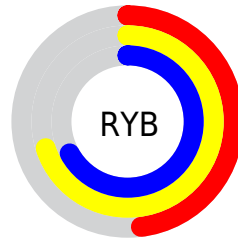
Distribution



Red (51%)

Green (70%)

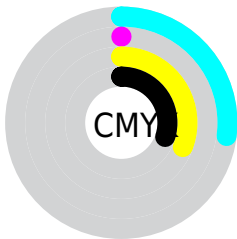
Blue (48%)



Red (48%)

Yellow (70%)

Blue (67%)

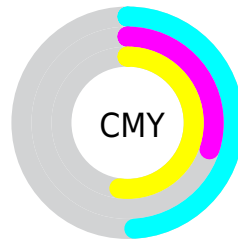


Cyan (27%)

Magenta (0%)

Yellow (31%)

Black (30%)



Cyan (49%)


Magenta (30%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0167, 0.3144, 0.4165 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 38.0167, 0.3144, 0.4165 by changing the saturation by 10% instead.


 38.0167, 0.3144,
0.4165


 38.0167, 0.3144,
0.4165


337.6916, 0.3147,
0.3693

 25.9957, 0.3138,
0.4295


 72.1337, 0.3148,
0.3985

 16.8204, 0.3127,
0.4469


 94.9985, 0.3149,
0.3919

 10.1065, 0.3106,
0.4714

 122.2466, 0.3149,
0.3866

 5.4696, 0.3060,
0.5081

154.2625, 0.3149,
0.3820

 2.5254, 0.2985,
0.5749

191.4306, 0.3149,
0.3781

 0.8893, 0.1772,
0.8228

234.1352, 0.3148,

 0.0000, 0.0000,

0.3748

0.0000

282.7607, 0.3148,
0.3718

■ 38.0167, 0.3144,
0.4165

■ 38.0167, 0.3144,
0.4165

■ 36.4748, 0.3143,
0.4499

■ 39.8286, 0.3141,
0.3852

■ 35.1854, 0.3136,
0.4842

■ 41.9175, 0.3136,
0.3566

■ 34.1363, 0.3124,
0.5174


■ 44.2962, 0.3128,
0.3312

■ 33.3124, 0.3106,
0.5472


■ 46.9752, 0.3119,
0.3087


■ 32.6970, 0.3082,
0.5713

■ 49.9644, 0.3110,
0.2891


 32.2708, 0.3056,
0.5880

 53.2734, 0.3100,
0.2721

 32.0221, 0.3034,
0.5973

 56.9114, 0.3090,
0.2574

 60.1986, 0.3157,
0.2535

 60.3251, 0.3163,
0.2537

Harmonies

Analogous

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



38.0167, 0.3656, 0.4242



38.0167, 0.3144, 0.4165



38.0167, 0.2652, 0.3776

Triad

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



38.0167, 0.3144, 0.4165



38.0167, 0.2262, 0.2516



38.0167, 0.4014, 0.3241

Complementary

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



38.0167, 0.3144, 0.4165



26.0422, 0.3086, 0.2518

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.



38.0167, 0.3578, 0.2860



38.0167, 0.3144, 0.4165



38.0167, 0.2565, 0.2454

Square

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



38.0167, 0.3144, 0.4165



38.0167, 0.2171, 0.2785



38.0167, 0.3038, 0.2580



38.0167, 0.4186, 0.3657

Rectangle

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



38.0167, 0.3144, 0.4165



38.0167, 0.2399, 0.3422



38.0167, 0.3038, 0.2580



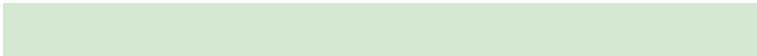
38.0167, 0.3892, 0.3106

Sweetspot

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



38.0183, 0.3144, 0.4165



76.7207, 0.3134, 0.3519



39.8997, 0.3613, 0.3956



16.8663, 0.3135, 0.3558



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.



38.0183, 0.3144, 0.4165



66.9978, 0.3144, 0.4389



38.0441, 0.2936, 0.3844



9.5400, 0.3134, 0.3524



22.9248, 0.3038, 0.5970



0.7377, 0.3171, 0.5864

Inverse Universe

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



26.0422, 0.3086, 0.2518



41.8449, 0.3073, 0.2349



26.0943, 0.3386, 0.2796



8.5910, 0.3118, 0.3064



7.3366, 0.2896, 0.1369



0.2460, 0.2989, 0.1420

Previews

White Background



This preview shows how the Yxy color 38.0167, 0.3144, 0.4165 looks on a white background.

Color Contrast Check

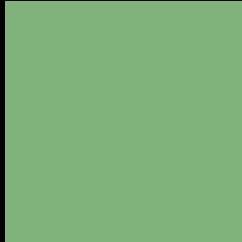
Large Text (above 18pt) WCAG AA × Fail

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 38.0167, 0.3144, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

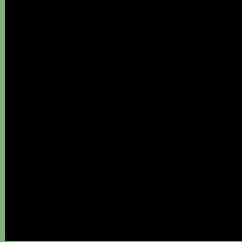
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0167, 0.3144, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 38.0167, 0.3144, 0.4165.



This preview shows how white text looks on a background with the Yxy color 38.0167, 0.3144, 0.4165.

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

38.0167, 0.3144, 0.4165

Protanopia

37.6596, 0.3689, 0.3967

Deuteranopia

37.7979, 0.3786, 0.3719



Tritanopia

37.7856, 0.2763, 0.3085

Trichromacy



Original Color

38.0167, 0.3144, 0.4165

Protanomaly

37.6584, 0.3481, 0.4046

Deuteranomaly

37.4367, 0.3533, 0.3868

Tritanomaly

37.7300, 0.2897, 0.3457

Monochromacy



Original Color

38.0167, 0.3144, 0.4165

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.1576, 0.3131, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0167, 0.3144, 0.4165 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(130, 178, 123)` looks like.

```
.text, #text, p{  
    color:rgb(130, 178, 123)  
}
```

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(130, 178, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 178, 123) }
```

Border

The CSS property to change the border of an element to Yxy 38.0167, 0.3144, 0.4165 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(130, 178, 123) }
```

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

```
.border{ border-color:rgb(130, 178, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 178, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 178, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 178, 123);  
box-shadow:4px 4px 4px 4px rgb(130, 178,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0167, 0.3144, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 178, 123) }
```

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

```
.background{ background-color: rgb(130,  
178, 123) }
```

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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