

Converting Colors

$Yxy(37.9718, 0.3068, 0.3633)$

Have a look what the booklet for
Yxy(37.9718, 0.3068, 0.3633)
contains.

Yxy(38.1089, 0.3067, 0.3638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.1089, 0.3067, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	91AD96
RGB	145, 173, 150
RGB Percent	57%, 68%, 59%
CMY	0.4313, 0.3216, 0.4118
CMYK	0.16, 0.00, 0.13, 0.32
HSL	131°, 15%, 62%
HSV	131°, 16%, 68%
XYZ	32.1275, 38.1089, 34.5159
YIQ	162.0060, -9.3050, -13.0890

Conversions

Conversions Part 2

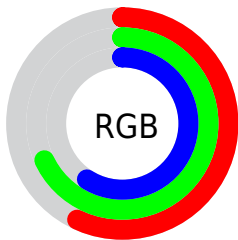
Format	Color
RYB	145, 169, 173
Decimal	9547158
CIELab	68.10, -14.21, 8.63
CIELCh	68, 16.623, 148.716
Yxy	38.1089, 0.3067, 0.3638
Android (android.graphics.Color)	4287737238 (0xFF91AD96)
YUV	162.0060, -5.9190, -14.9143
Hunter-Lab	61.7324, -15.1345, 10.0624

Details

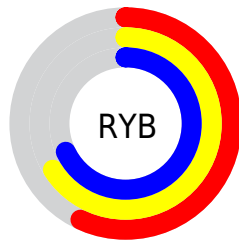
The Yxy color **38.1089, 0.3067, 0.3638** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.9679, 0.3194, 0.2965**, and the grayscale version is **36.1677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9886, 0.3080, 0.3565**, and **16.9553, 0.3045, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **36.2258, 0.3030, 0.3888**, and if you desaturate by 10%, it is **40.2901, 0.3104, 0.3415**.

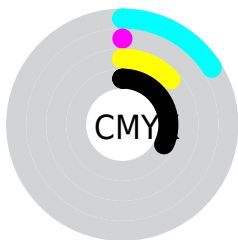
Distribution



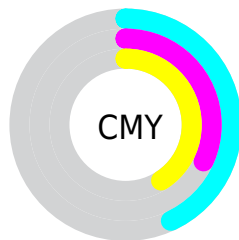
- Red (57%)
- Green (68%)
- Blue (59%)



- Red (57%)
- Yellow (66%)
- Blue (68%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)




- Cyan (43%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1089, 0.3067, 0.3638 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 38.1089, 0.3067, 0.3638 by changing the saturation by 10% instead.


 38.1089, 0.3067,
0.3638


 38.1089, 0.3067,
0.3638


338.0869, 0.3100,
0.3454

 26.0672, 0.3058,
0.3687


 72.2750, 0.3080,
0.3569

 16.8739, 0.3045,
0.3753


 95.1683, 0.3084,
0.3543

 10.1447, 0.3027,
0.3845


122.4475, 0.3088,
0.3522

 5.4950, 0.2998,
0.3982

154.4970, 0.3091,
0.3505

 2.5405, 0.2948,
0.4207

191.7014, 0.3094,
0.3489

 0.8969, 0.2848,
0.5052

234.4449, 0.3096,

 0.0000, 0.0000,

0.3476

0.0000

283.1119, 0.3098,
0.3464

■ 38.1089, 0.3067,
0.3638

■ 38.1089, 0.3067,
0.3638

■ 36.2258, 0.3030,
0.3888

■ 40.2901, 0.3104,
0.3415

■ 34.6233, 0.2995,
0.4163

■ 42.7766, 0.3141,
0.3218

■ 33.2893, 0.2964,
0.4457

■ 45.5813, 0.3176,
0.3046

■ 32.2088, 0.2940,
0.4761

■ 48.7150, 0.3209,
0.2896

■ 31.3655, 0.2925,
0.5061

■ 52.1879, 0.3240,
0.2766

■ 30.7412, 0.2921,
0.5341

■ 56.0098, 0.3269,
0.2654

■ 30.3148, 0.2929,
0.5583

■ 58.0203, 0.3207,
0.2536

■ 30.0589, 0.2947,
0.5771

■ 58.3673, 0.3165,
0.2488

■ 29.9852, 0.2952,
0.5829

Harmonies

Analogous

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



38.1089, 0.3316, 0.3729



38.1089, 0.3067, 0.3638



38.1089, 0.2841, 0.3441

Triad

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



38.1089, 0.3067, 0.3638



38.1089, 0.2742, 0.2894



38.1089, 0.3580, 0.3346

Complementary

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



38.1089, 0.3067, 0.3638



31.9679, 0.3194, 0.2965

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.



38.1089, 0.3414, 0.3140



38.1089, 0.3067, 0.3638



38.1089, 0.2927, 0.2885

Square

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



38.1089, 0.3067, 0.3638



38.1089, 0.2659, 0.3007



38.1089, 0.3173, 0.2975



38.1089, 0.3618, 0.3547

Rectangle

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



38.1089, 0.3067, 0.3638



38.1089, 0.2732, 0.3284



38.1089, 0.3173, 0.2975



38.1089, 0.3537, 0.3276

Sweetspot

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



38.1105, 0.3067, 0.3638



72.6151, 0.3108, 0.3392



40.2939, 0.3321, 0.3689



15.7187, 0.3106, 0.3406



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.1105, 0.3067, 0.3638



67.1326, 0.3055, 0.3714



38.5770, 0.2959, 0.3428



8.9618, 0.3093, 0.3482



22.0348, 0.2948, 0.5814



0.6198, 0.2808, 0.5310

Inverse Universe

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



31.9679, 0.3194, 0.2965



54.2703, 0.3209, 0.2900



31.4847, 0.3330, 0.3156



8.1232, 0.3164, 0.3106



7.9734, 0.3709, 0.1817



0.2281, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 38.1089, 0.3067, 0.3638 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 38.1089, 0.3067, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

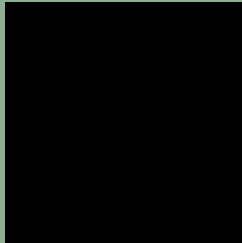
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1089, 0.3067, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 38.1089, 0.3067, 0.3638.



This preview shows how white text looks on a background with the Yxy color 38.1089, 0.3067, 0.3638.

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

38.1089, 0.3067, 0.3638

Protanopia

37.8698, 0.3373, 0.3561

Deuteranopia

37.8806, 0.3448, 0.3386



Tritanopia

37.8667, 0.2857, 0.3088

Trichromacy



Original Color

38.1089, 0.3067, 0.3638

Protanomaly

37.8984, 0.3262, 0.3596

Deuteranomaly

37.8352, 0.3299, 0.3475

Tritanomaly

37.9476, 0.2934, 0.3289

Monochromacy



Original Color

38.1089, 0.3067, 0.3638

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8090, 0.3103, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1089, 0.3067, 0.3638 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(145, 173, 150)` looks like.

```
.text, #text, p{  
    color:rgb(145, 173, 150)  
}
```

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(145, 173, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 173, 150) }
```

Border

The CSS property to change the border of an element to Yxy 38.1089, 0.3067, 0.3638 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(145, 173, 150) }
```

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

```
.border{ border-color:rgb(145, 173, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 173, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 173, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 173, 150);  
box-shadow:4px 4px 4px 4px rgb(145, 173,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1089, 0.3067, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 173, 150) }
```

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

```
.background{ background-color: rgb(145,  
173, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor