

Converting Colors

$Y_{xy}(38.0289, 0.2976, 0.3251)$

Have a look what the booklet for
Yxy(38.0289, 0.2976, 0.3251)
contains.

Yxy(38.1862, 0.2977, 0.3261)	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(38.1862, 0.2977, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	9AA9AB
RGB	154, 169, 171
RGB Percent	60%, 66%, 67%
CMY	0.3962, 0.3372, 0.3295
CMYK	0.10, 0.01, 0.00, 0.33
HSL	187°, 9%, 64%
HSV	187°, 10%, 67%
XYZ	34.8606, 38.1862, 44.0529
YIQ	164.7430, -9.5820, -2.5580

Conversions

Conversions Part 2

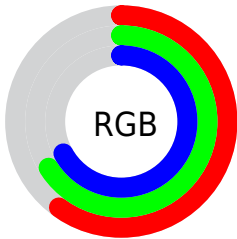
Format	Color
RYB	154, 162, 171
Decimal	10135979
CIELab	68.16, -4.84, -2.82
CIElCh	68, 5.606, 210.243
Yxy	38.1862, 0.2977, 0.3261
Android (android.graphics.Color)	4288326059 (0xFF9AA9AB)
YUV	164.7430, 3.0847, -9.4216
Hunter-Lab	61.7950, -7.4435, 0.9894

Details

The Yxy color **38.1862, 0.2977, 0.3261** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.7492, 0.3295, 0.3319**, and the grayscale version is **37.4845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2122, 0.3004, 0.3268**, and **16.9381, 0.2931, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **35.8956, 0.2831, 0.3229**, and if you desaturate by 10%, it is **40.7302, 0.3128, 0.3290**.

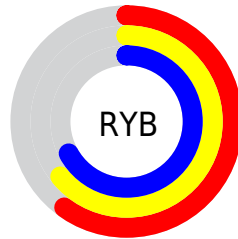
Distribution



Red (60%)

Green (66%)

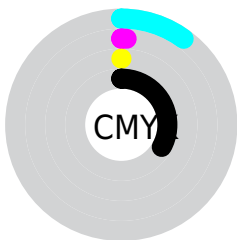
Blue (67%)



Red (60%)

Yellow (64%)

Blue (67%)

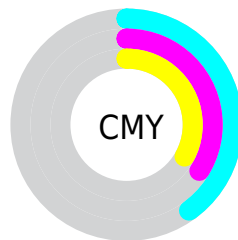


Cyan (10%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (40%)


Magenta (34%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1862, 0.2977, 0.3261 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 38.1862, 0.2977, 0.3261 by changing the saturation by 10% instead.


 38.1862, 0.2977,
0.3261


 38.1862, 0.2977,
0.3261


338.4180, 0.3054,
0.3277

 26.1272, 0.2957,
0.3257


 72.3934, 0.3006,
0.3267

 16.9189, 0.2931,
0.3251


 95.3105, 0.3016,
0.3269

 10.1767, 0.2895,
0.3243


122.6157, 0.3025,
0.3271

 5.5162, 0.2843,
0.3232

154.6935, 0.3033,
0.3272

 2.5532, 0.2762,
0.3213

191.9282, 0.3039,
0.3274

 0.9032, 0.2606,
0.3180

234.7043, 0.3045,

 0.0000, 0.0000,

0.3275

0.0000

283.4061, 0.3050,
0.3276

■ 38.1862, 0.2977,
0.3261

■ 38.1862, 0.2977,
0.3261

■ 35.8956, 0.2831,
0.3229

■ 40.7302, 0.3128,
0.3290

■ 33.8434, 0.2693,
0.3195

■ 43.5323, 0.3281,
0.3317

■ 32.0205, 0.2566,
0.3159

■ 46.6030, 0.3435,
0.3340

■ 30.4152, 0.2453,
0.3121

■ 49.9510, 0.3587,
0.3361

■ 29.0147, 0.2356,
0.3082

■ 53.5843, 0.3735,
0.3380

■ 27.8048, 0.2277,
0.3042

■ 57.2119, 0.3865,
0.3397

■ 26.7695, 0.2216,
0.3002

■ 58.0239, 0.3858,
0.3417

■ 25.8899, 0.2174,
0.2962

■ 58.8473, 0.3851,
0.3438

■ 25.1249, 0.2145,
0.2923

■ 59.6824, 0.3844,
0.3459

Harmonies

Analogous

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



38.1862, 0.3027, 0.3337



38.1862, 0.2977, 0.3261



38.1862, 0.2966, 0.3194

Triad

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



38.1862, 0.2977, 0.3261



38.1862, 0.3149, 0.3183



38.1862, 0.3257, 0.3427

Complementary

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



38.1862, 0.2977, 0.3261



34.7492, 0.3295, 0.3319

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.



38.1862, 0.3291, 0.3384



38.1862, 0.2977, 0.3261



38.1862, 0.3228, 0.3243

Square

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



38.1862, 0.2977, 0.3261



38.1862, 0.3065, 0.3150



38.1862, 0.3280, 0.3316



38.1862, 0.3189, 0.3434

Rectangle

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



38.1862, 0.2977, 0.3261



38.1862, 0.2983, 0.3164



38.1862, 0.3280, 0.3316



38.1862, 0.3273, 0.3416

Sweetspot

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



38.1878, 0.2977, 0.3261



71.4965, 0.3081, 0.3281



38.3772, 0.3101, 0.3515



15.8621, 0.3069, 0.3279



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.



38.1878, 0.2977, 0.3261



67.4371, 0.2943, 0.3254



35.2209, 0.2976, 0.3140



8.9110, 0.2986, 0.3263



18.9907, 0.2146, 0.2926



0.5722, 0.2180, 0.3046

Inverse Universe

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



34.6254, 0.3156, 0.3078



59.7403, 0.3164, 0.3029



37.6047, 0.3282, 0.3435



8.1318, 0.3155, 0.3092



8.2202, 0.3520, 0.1713



0.2331, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 38.1862, 0.2977, 0.3261 looks on a white background.

Color Contrast Check

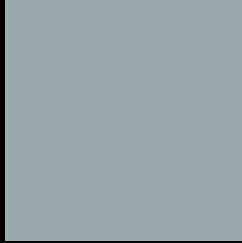
Large Text (above 18pt) WCAG AA × Fail

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 38.1862, 0.2977, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

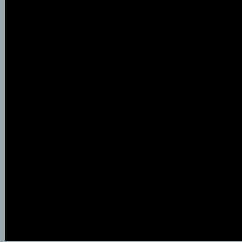
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

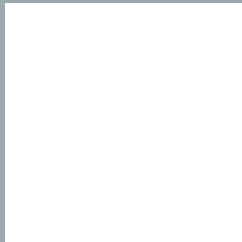
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1862, 0.2977, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 38.1862, 0.2977, 0.3261.



This preview shows how white text looks on a background with the Yxy color 38.1862, 0.2977, 0.3261.

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

38.1862, 0.2977, 0.3261

Protanopia

38.0997, 0.3121, 0.3234

Deuteranopia

38.0906, 0.3192, 0.3127



Tritanopia

38.0415, 0.2914, 0.3091

Trichromacy



Original Color

38.1862, 0.2977, 0.3261

Protanomaly

37.9612, 0.3066, 0.3233

Deuteranomaly

38.0755, 0.3114, 0.3179

Tritanomaly

38.1482, 0.2938, 0.3161

Monochromacy



Original Color

38.1862, 0.2977, 0.3261

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.6395, 0.3073, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1862, 0.2977, 0.3261 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(154, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(154, 169, 171)  
}
```

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(154, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 169, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.1862, 0.2977, 0.3261 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(154, 169, 171) }
```

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

```
.border{ border-color:rgb(154, 169, 171) }
```

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

Here you see how a box with a 4 pixel rgb(154, 169, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(154, 169,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1862, 0.2977, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 169, 171) }
```

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

```
.background{ background-color: rgb(154,  
169, 171) }
```

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