

Converting Colors

$Y_{xy}(38.6780, 0.2931, 0.3208)$

Have a look what the booklet for
Yxy(38.6780, 0.2931, 0.3208)
contains.

Yxy(38.6563, 0.2929, 0.3203)	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(38.6563, 0.2929, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	99AAB0
RGB	153, 170, 176
RGB Percent	60%, 67%, 69%
CMY	0.4000, 0.3333, 0.3097
CMYK	0.13, 0.03, 0.00, 0.31
HSL	196°, 13%, 65%
HSV	196°, 13%, 69%
XYZ	35.3495, 38.6563, 46.6820
YIQ	165.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

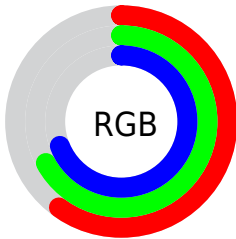
Format	Color
RYB	153, 163, 176
Decimal	10070704
CIELab	68.50, -4.66, -5.12
CIElCh	69, 6.920, 227.674
Yxy	38.6563, 0.2929, 0.3203
Android (android.graphics.Color)	4288260784 (0xFF99AAB0)
YUV	165.6010, 5.1267, -11.0511
Hunter-Lab	62.1742, -7.3177, -0.9946

Details

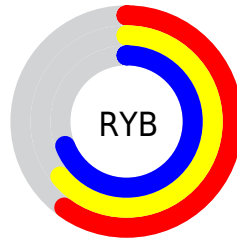
The Yxy color **38.6563, 0.2929, 0.3203** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3351, 0.3350, 0.3375**, and the grayscale version is **37.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9420, 0.2961, 0.3213**, and **17.2369, 0.2867, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **35.3743, 0.2779, 0.3129**, and if you desaturate by 10%, it is **42.2546, 0.3081, 0.3271**.

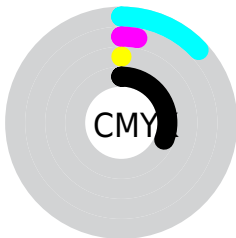
Distribution



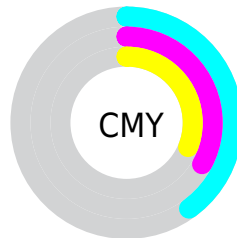
- Red (60%)
- Green (67%)
- Blue (69%)



- Red (60%)
- Yellow (64%)
- Blue (69%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)




- Cyan (40%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6563, 0.2929, 0.3203 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 38.6563, 0.2929, 0.3203 by changing the saturation by 10% instead.


 38.6563, 0.2929,
0.3203


 38.6563, 0.2929,
0.3203


340.4270, 0.3031,
0.3249

 26.4925, 0.2903,
0.3191


 73.1130, 0.2967,
0.3220

 17.1924, 0.2869,
0.3175


 96.1746, 0.2980,
0.3226

 10.3718, 0.2822,
0.3153


123.6376, 0.2992,
0.3232

 5.6461, 0.2755,
0.3121

155.8863, 0.3002,
0.3236

 2.6311, 0.2651,
0.3069

193.3053, 0.3011,
0.3240

 0.9423, 0.2464,
0.2974

236.2788, 0.3018,

 0.0000, 0.0000,

0.3243

0.0000

285.1912, 0.3025,
0.3246

■ 38.6563, 0.2929,
0.3203

■ 38.6563, 0.2929,
0.3203

■ 35.3743, 0.2779,
0.3129

■ 42.2546, 0.3081,
0.3271

■ 32.3921, 0.2635,
0.3049

■ 46.1753, 0.3232,
0.3332

■ 29.6989, 0.2498,
0.2963

■ 50.4304, 0.3380,
0.3386

■ 27.2812, 0.2372,
0.2872

■ 55.0296, 0.3524,
0.3434

■ 25.1242, 0.2261,
0.2778

■ 59.9825, 0.3663,
0.3477

■ 23.2117, 0.2168,
0.2682

■ 64.6063, 0.3766,
0.3517

■ 21.5249, 0.2093,
0.2585

■ 66.7367, 0.3752,
0.3564

■ 20.0415, 0.2037,
0.2489

■ 68.9316, 0.3737,
0.3611

■ 19.1013, 0.2006,
0.2422

■ 71.1914, 0.3723,
0.3657

Harmonies

Analogous

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



38.6563, 0.2963, 0.3293



38.6563, 0.2929, 0.3203



38.6563, 0.2947, 0.3138

Triad

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



38.6563, 0.2929, 0.3203



38.6563, 0.3212, 0.3198



38.6563, 0.3242, 0.3470

Complementary

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



38.6563, 0.2929, 0.3203



36.3351, 0.3350, 0.3375

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.



38.6563, 0.3310, 0.3441



38.6563, 0.2929, 0.3203



38.6563, 0.3294, 0.3284

Square

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



38.6563, 0.2929, 0.3203



38.6563, 0.3109, 0.3137



38.6563, 0.3330, 0.3372



38.6563, 0.3143, 0.3450

Rectangle

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



38.6563, 0.2929, 0.3203



38.6563, 0.2986, 0.3118



38.6563, 0.3330, 0.3372



38.6563, 0.3269, 0.3466

Sweetspot

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



38.6579, 0.2929, 0.3203



75.9437, 0.3065, 0.3264



40.3254, 0.3065, 0.3542



16.3502, 0.3054, 0.3259



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.6579, 0.2929, 0.3203



68.1277, 0.2881, 0.3180



34.6202, 0.2925, 0.3038



9.2480, 0.2986, 0.3229



14.1104, 0.2009, 0.2432



0.5325, 0.2083, 0.2699

Inverse Universe

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



34.9176, 0.3198, 0.3054



59.9451, 0.3217, 0.2995



40.3812, 0.3329, 0.3530



8.6080, 0.3176, 0.3123



7.9646, 0.3990, 0.1972



0.2595, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 38.6563, 0.2929, 0.3203 looks on a white background.

Color Contrast Check

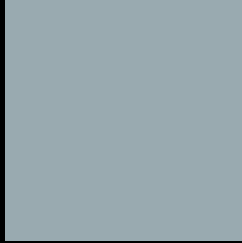
Large Text (above 18pt) WCAG AA × Fail

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 38.6563, 0.2929, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

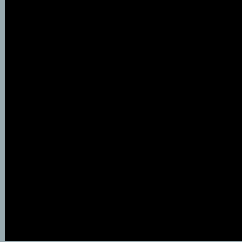
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

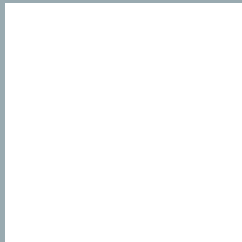
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6563, 0.2929, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 38.6563, 0.2929, 0.3203.



This preview shows how white text looks on a background with the Yxy color 38.6563, 0.2929, 0.3203.

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

38.6563, 0.2929, 0.3203

Protanopia

38.6533, 0.3077, 0.3178

Deuteranopia

38.5200, 0.3137, 0.3074



Tritanopia

38.6234, 0.2891, 0.3105

Trichromacy



Original Color

38.6563, 0.2929, 0.3203

Protanomaly

38.5191, 0.3024, 0.3177

Deuteranomaly

38.5196, 0.3062, 0.3124

Tritanomaly

38.5412, 0.2906, 0.3133

Monochromacy



Original Color

38.6563, 0.2929, 0.3203

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1168, 0.3047, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6563, 0.2929, 0.3203 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(153, 170, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 170, 176)  
}
```

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(153, 170, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 170, 176) }
```

Border

The CSS property to change the border of an element to Yxy 38.6563, 0.2929, 0.3203 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(153, 170, 176) }
```

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

```
.border{ border-color:rgb(153, 170, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 170, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 170, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 170, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 170,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6563, 0.2929, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 170, 176) }
```

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

```
.background{ background-color: rgb(153,  
170, 176) }
```

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