

Converting Colors

$Y_{xy}(38.0268, 0.2550, 0.2831)$

Have a look what the booklet for
Yxy(38.0268, 0.2550, 0.2831)
contains.

Yxy(38.0268, 0.2550, 0.2831)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0268, 0.2550, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	80ABCB
RGB	128, 171, 203
RGB Percent	50%, 67%, 80%
CMY	0.4978, 0.3295, 0.2039
CMYK	0.37, 0.16, 0.00, 0.20
HSL	206°, 42%, 65%
HSV	206°, 37%, 80%
XYZ	34.2523, 38.0268, 62.0437
YIQ	161.7910, -35.9000, 0.8360

Conversions

Conversions Part 2

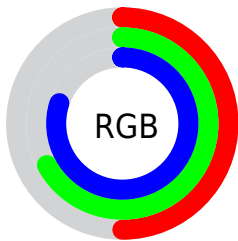
Format	Color
RYB	128, 155, 203
Decimal	8432587
CIELab	68.04, -6.43, -20.91
CIElCh	68, 21.879, 252.906
Yxy	38.0268, 0.2550, 0.2831
Android (android.graphics.Color)	4286622667 (0xFF80ABCB)
YUV	161.7910, 20.3160, -29.6347
Hunter-Lab	61.6659, -8.7674, -16.4872

Details

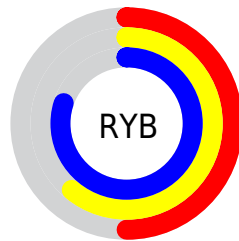
The Yxy color **38.0268, 0.2550, 0.2831** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.4308, 0.3863, 0.3705**, and the grayscale version is **35.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6800, 0.2682, 0.2968**, and **16.8594, 0.2381, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **33.4374, 0.2398, 0.2681**, and if you desaturate by 10%, it is **43.1492, 0.2707, 0.2971**.

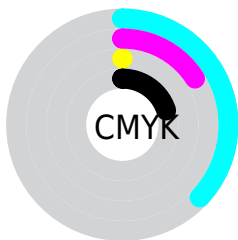
Distribution



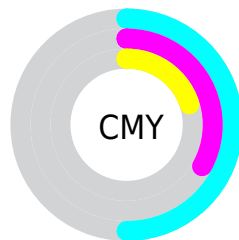
- Red (50%)
- Green (67%)
- Blue (80%)



- Red (50%)
- Yellow (61%)
- Blue (80%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0268, 0.2550, 0.2831 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 38.0268, 0.2550, 0.2831 by changing the saturation by 10% instead.

■ 38.0268, 0.2550,
0.2831

■ 38.0268, 0.2550,
0.2831

337.7349, 0.2842,
0.3068

■ 26.0035, 0.2477,
0.2770

■ 72.1492, 0.2657,
0.2919

■ 16.8263, 0.2382,
0.2690

■ 95.0171, 0.2697,
0.2951

■ 10.1107, 0.2257,
0.2582

■ 122.2686, 0.2730,
0.2979

■ 5.4724, 0.2082,
0.2430

154.2882, 0.2759,
0.3002

■ 2.5270, 0.1827,
0.2199

191.4603, 0.2784,
0.3022

■ 0.8901, 0.1412,
0.1824

234.1691, 0.2806,

■ 0.0000, 0.0000,

0.3040

0.0000

282.7992, 0.2825,
0.3055

■ 38.0268, 0.2550,
0.2831

■ 38.0268, 0.2550,
0.2831

■ 33.4374, 0.2398,
0.2681

■ 43.1492, 0.2707,
0.2971

■ 29.3536, 0.2255,
0.2522

■ 48.8215, 0.2865,
0.3100

■ 25.7518, 0.2126,
0.2357

■ 55.0652, 0.3021,
0.3216

■ 22.6041, 0.2015,
0.2191

■ 61.8989, 0.3173,
0.3321

■ 19.8782, 0.1925,
0.2026

■ 69.3405, 0.3319,
0.3414

■ 17.5330, 0.1857,
0.1866

■ 77.4070, 0.3458,
0.3497

■ 16.8661, 0.1838,
0.1818

■ 83.1227, 0.3479,
0.3580

■ 88.1193, 0.3463,
0.3663

■ 93.3603, 0.3447,
0.3745

Harmonies

Analogous

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



38.0268, 0.2522, 0.3039



38.0268, 0.2550, 0.2831



38.0268, 0.2723, 0.2752

Triad

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



38.0268, 0.2550, 0.2831



38.0268, 0.3627, 0.3215



38.0268, 0.3218, 0.3840

Complementary

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



38.0268, 0.2550, 0.2831



39.4308, 0.3863, 0.3705

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.



38.0268, 0.3526, 0.3864



38.0268, 0.2550, 0.2831



38.0268, 0.3773, 0.3486

Square

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



38.0268, 0.2550, 0.2831



38.0268, 0.3342, 0.2972



38.0268, 0.3733, 0.3726



38.0268, 0.2896, 0.3642

Rectangle

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



38.0268, 0.2550, 0.2831



38.0268, 0.2905, 0.2774



38.0268, 0.3733, 0.3726



38.0268, 0.3327, 0.3869

Sweetspot

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



38.0283, 0.2550, 0.2831



87.6529, 0.2956, 0.3169



49.8266, 0.2878, 0.3923



18.4537, 0.2934, 0.3153



0.0000, 0.0000, 0.0000



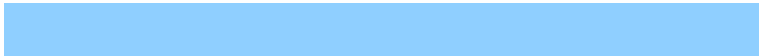
21.4041, 0.3127, 0.3290

Same Dimension

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



38.0283, 0.2550, 0.2831



57.6963, 0.2433, 0.2717



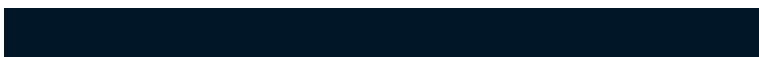
26.0417, 0.2471, 0.2277



11.8928, 0.2983, 0.3189



10.9156, 0.1844, 0.1839



0.7118, 0.1931, 0.2151

Inverse Universe

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



31.0928, 0.3507, 0.2746



45.3528, 0.3618, 0.2634



54.0868, 0.3702, 0.4133



11.3196, 0.3202, 0.3158



8.9049, 0.4639, 0.2329



0.4744, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 38.0268, 0.2550, 0.2831 looks on a white background.

Color Contrast Check

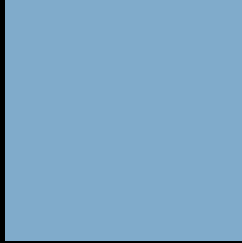
Large Text (above 18pt) WCAG AA × Fail

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 38.0268, 0.2550, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

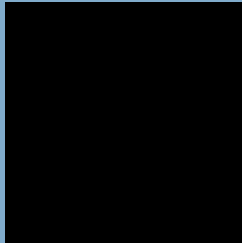
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

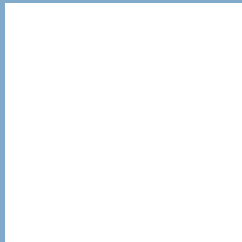
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0268, 0.2550, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 38.0268, 0.2550, 0.2831.

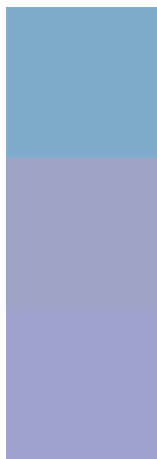


This preview shows how white text looks on a background with the Yxy color 38.0268, 0.2550, 0.2831.

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

38.0268, 0.2550, 0.2831

Protanopia

37.8972, 0.2799, 0.2823

Deuteranopia

37.8255, 0.2770, 0.2712



Tritanopia

38.1880, 0.2624, 0.3081

Trichromacy



Original Color

38.0268, 0.2550, 0.2831

Protanomaly

38.0106, 0.2700, 0.2829

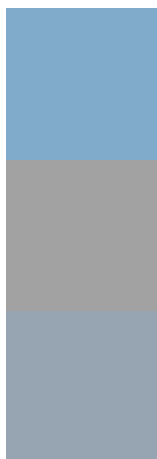
Deuteranomaly

37.6595, 0.2685, 0.2752

Tritanomaly

38.0974, 0.2597, 0.2995

Monochromacy



Original Color

38.0268, 0.2550, 0.2831

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.5686, 0.2893, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0268, 0.2550, 0.2831 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(128, 171, 203)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 203)  
}
```

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(128, 171, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 203) }
```

Border

The CSS property to change the border of an element to Yxy 38.0268, 0.2550, 0.2831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

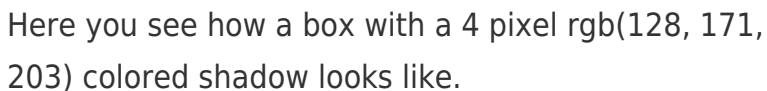
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 171, 203) }
```

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

```
.border{ border-color:rgb(128, 171, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 171, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 171, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 171, 203); box-shadow:4px 4px 4px 4px rgb(128, 171, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0268, 0.2550, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 203) }
```

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

```
.background{ background-color: rgb(128,  
171, 203) }
```

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