

Converting Colors

$Yxy(38.0317, 0.2577, 0.3227)$

Have a look what the booklet for
Yxy(38.0317, 0.2577, 0.3227)
contains.

Yxy(38.0317, 0.2577, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0317, 0.2577, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	6DB1B5
RGB	109, 177, 181
RGB Percent	43%, 69%, 71%
CMY	0.5724, 0.3059, 0.2902
CMYK	0.40, 0.02, 0.00, 0.29
HSL	183°, 33%, 57%
HSV	183°, 40%, 71%
XYZ	30.3711, 38.0317, 49.4518
YIQ	157.1240, -41.8120, -13.1720

Conversions

Conversions Part 2

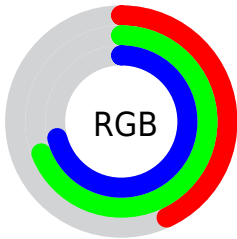
Format	Color
R _Y B	109, 144, 181
Decimal	7188917
CIE Lab	68.04, -20.43, -8.83
CIE LCh	68, 22.255, 203.379
Yxy	38.0317, 0.2577, 0.3227
Android (android.graphics.Color)	4285378997 (0xFF6DB1B5)
YUV	157.1240, 11.7709, -42.2047
Hunter-Lab	61.6698, -20.0146, -4.3746

Details

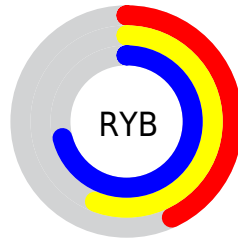
The Yxy color **38.0317, 0.2577, 0.3227** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.7433, 0.4085, 0.3351**, and the grayscale version is **33.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2848, 0.2679, 0.3242**, and **16.7860, 0.2417, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **36.6054, 0.2470, 0.3209**, and if you desaturate by 10%, it is **39.7003, 0.2699, 0.3244**.

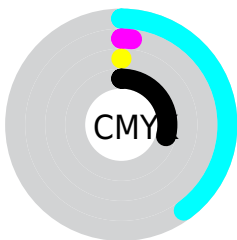
Distribution



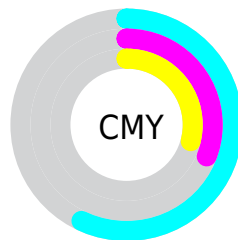
- Red (43%)
- Green (69%)
- Blue (71%)



- Red (43%)
- Yellow (56%)
- Blue (71%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)





- Cyan (57%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0317, 0.2577, 0.3227 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 38.0317, 0.2577, 0.3227 by changing the saturation by 10% instead.


 38.0317, 0.2577,
0.3227


 38.0317, 0.2577,
0.3227


337.7559, 0.2857,
0.3265

 26.0073, 0.2506,
0.3215


 72.1567, 0.2680,
0.3242


 16.8291, 0.2414,
0.3199

 95.0261, 0.2718,
0.3248

 10.1127, 0.2291,
0.3174

 122.2793, 0.2750,
0.3252

 5.4738, 0.2117,
0.3135

 154.3007, 0.2778,
0.3256

 2.5278, 0.1857,
0.3064

191.4747, 0.2801,
0.3259

 0.8905, 0.1171,
0.2999

234.1856, 0.2822,

 0.0000, 0.0000,

0.3261

0.0000

282.8179, 0.2840,
0.3263

■ 38.0317, 0.2577,
0.3227

■ 38.0317, 0.2577,
0.3227

■ 36.6054, 0.2470,
0.3209

■ 39.7003, 0.2699,
0.3244

■ 35.4022, 0.2380,
0.3191

■ 41.6201, 0.2835,
0.3261

■ 34.4075, 0.2308,
0.3172

■ 43.8049, 0.2979,
0.3276


■ 33.6027, 0.2255,
0.3153

■ 46.2662, 0.3131,
0.3290


■ 32.9662, 0.2220,
0.3135

■ 49.0150, 0.3286,
0.3303

 32.4544, 0.2200,
0.3117

 52.0615, 0.3443,
0.3315

 32.4425, 0.2199,
0.3116

 55.4155, 0.3600,
0.3325

 59.0862, 0.3753,
0.3334

 59.7303, 0.3760,
0.3345

Harmonies

Analogous

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



38.0317, 0.2791, 0.3548



38.0317, 0.2577, 0.3227



38.0317, 0.2505, 0.2947

Triad

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



38.0317, 0.2577, 0.3227



38.0317, 0.3125, 0.2845



38.0317, 0.3686, 0.3797

Complementary

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



38.0317, 0.2577, 0.3227



22.7433, 0.4085, 0.3351

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.



38.0317, 0.3792, 0.3581



38.0317, 0.2577, 0.3227



38.0317, 0.3458, 0.3046

Square

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



38.0317, 0.2577, 0.3227



38.0317, 0.2808, 0.2748



38.0317, 0.3708, 0.3309



38.0317, 0.3431, 0.3887

Rectangle

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



38.0317, 0.2577, 0.3227



38.0317, 0.2542, 0.2821



38.0317, 0.3708, 0.3309



38.0317, 0.3741, 0.3736

Sweetspot

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



38.0332, 0.2577, 0.3227



77.4603, 0.2943, 0.3273



37.4820, 0.3046, 0.4427



16.6317, 0.2925, 0.3271



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.



38.0332, 0.2577, 0.3227



65.7922, 0.2479, 0.3211



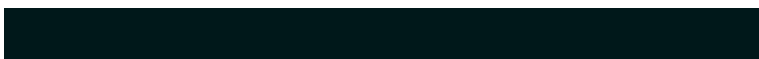
25.7610, 0.2488, 0.2645



9.5491, 0.2986, 0.3277



22.4011, 0.2200, 0.3119



0.7291, 0.2214, 0.3169

Inverse Universe

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



23.9410, 0.3217, 0.2373



37.1322, 0.3240, 0.2182



32.2994, 0.3879, 0.3854



8.6384, 0.3146, 0.3078



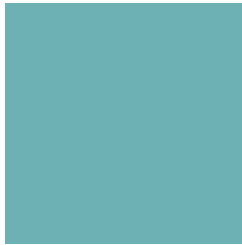
8.8015, 0.3351, 0.1620



0.2794, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 38.0317, 0.2577, 0.3227 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 38.0317, 0.2577, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

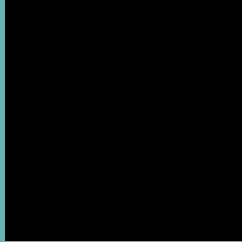
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

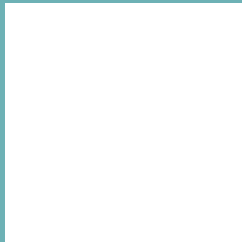
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0317, 0.2577, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 38.0317, 0.2577, 0.3227.

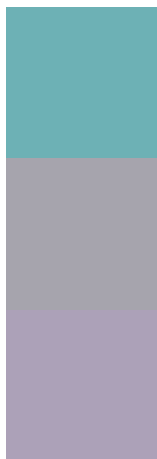


This preview shows how white text looks on a background with the Yxy color 38.0317, 0.2577, 0.3227.

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

38.0317, 0.2577, 0.3227

Protanopia

37.6750, 0.3068, 0.3163

Deuteranopia

37.7211, 0.3031, 0.2976



Tritanopia

38.1479, 0.2531, 0.3078

Trichromacy



Original Color

38.0317, 0.2577, 0.3227

Protanomaly

37.5303, 0.2862, 0.3187

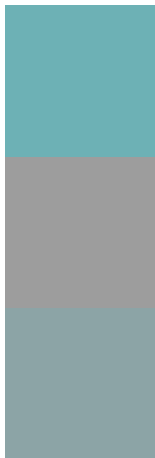
Deuteranomaly

37.4459, 0.2840, 0.3059

Tritanomaly

37.9535, 0.2543, 0.3121

Monochromacy



Original Color

38.0317, 0.2577, 0.3227

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.8795, 0.2894, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0317, 0.2577, 0.3227 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(109, 177, 181)` looks like.

```
.text, #text, p{  
    color:rgb(109, 177, 181)  
}
```

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(109, 177, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 177, 181) }
```

Border

The CSS property to change the border of an element to Yxy 38.0317, 0.2577, 0.3227 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(109, 177, 181) }
```

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

```
.border{ border-color:rgb(109, 177, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 177, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 177, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 177, 181);  
box-shadow:4px 4px 4px 4px rgb(109, 177,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0317, 0.2577, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 177, 181) }
```

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

```
.background{ background-color: rgb(109,  
177, 181) }
```

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