

Converting Colors

$Y_{xy}(36.5573, 0.2582, 0.2874)$

Have a look what the booklet for
Yxy(36.5573, 0.2582, 0.2874)
contains.

Yxy(36.5800, 0.2588, 0.2880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5800, 0.2588, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	80A8C4
RGB	128, 168, 196
RGB Percent	50%, 66%, 77%
CMY	0.4980, 0.3412, 0.2313
CMYK	0.35, 0.14, 0.00, 0.23
HSL	205°, 37%, 64%
HSV	205°, 35%, 77%
XYZ	32.8712, 36.5800, 57.5627
YIQ	159.2320, -32.8280, 0.2280

Conversions

Conversions Part 2

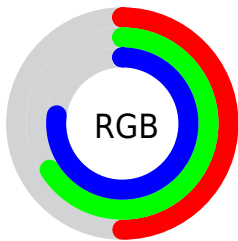
Format	Color
R _Y B	128, 153, 196
Decimal	8431812
CIE Lab	66.96, -6.63, -18.68
CIE LCh	67, 19.822, 250.473
Yxy	36.5800, 0.2588, 0.2880
Android (android.graphics.Color)	4286621892 (0xFF80A8C4)
YUV	159.2320, 18.1266, -27.3905
Hunter-Lab	60.4814, -8.8290, -14.0918

Details

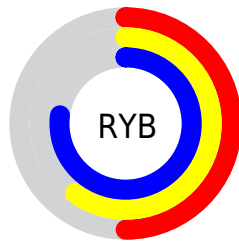
The Yxy color **36.5800, 0.2588, 0.2880** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.0847, 0.3810, 0.3665**, and the grayscale version is **34.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9345, 0.2689, 0.2955**, and **15.9803, 0.2432, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **32.3152, 0.2436, 0.2738**, and if you desaturate by 10%, it is **41.3265, 0.2744, 0.3012**.

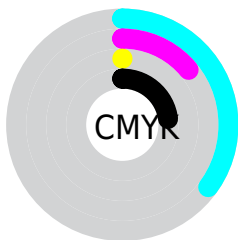
Distribution



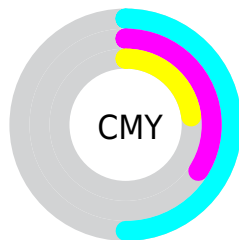
- Red (50%)
- Green (66%)
- Blue (77%)



- Red (50%)
- Yellow (60%)
- Blue (77%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)



- Cyan (50%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5800, 0.2588, 0.2880 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 36.5800, 0.2588, 0.2880 by changing the saturation by 10% instead.

■ 36.5800, 0.2588,
0.2880

■ 36.5800, 0.2588,
0.2880

■ 331.4886, 0.2863,
0.3094

■ 24.8825, 0.2518,
0.2824

■ 69.9263, 0.2689,
0.2960

■ 15.9895, 0.2427,
0.2750

■ 92.3440, 0.2727,
0.2989

■ 9.5167, 0.2306,
0.2650

■ 119.1037, 0.2758,
0.3014

■ 5.0797, 0.2135,
0.2506

■ 150.5900, 0.2786,
0.3035

■ 2.2941, 0.1881,
0.2284

■ 187.1873, 0.2809,
0.3053

■ 0.7706, 0.1415,
0.1910

■ 229.2798, 0.2829,

■ 0.0000, 0.0000,

0.3068

0.0000

277.2521, 0.2847,
0.3082

■ 36.5800, 0.2588,
0.2880

■ 36.5800, 0.2588,
0.2880

■ 32.3152, 0.2436,
0.2738

■ 41.3265, 0.2744,
0.3012

■ 28.5075, 0.2294,
0.2587

■ 46.5694, 0.2901,
0.3133

■ 25.1362, 0.2163,
0.2431

■ 52.3275, 0.3056,
0.3243

■ 22.1768, 0.2050,
0.2271

■ 58.6178, 0.3206,
0.3341

■ 19.6013, 0.1957,
0.2111

■ 65.4559, 0.3351,
0.3428

■ 17.3764, 0.1886,
0.1956

■ 72.8570, 0.3489,
0.3505

■ 16.3062, 0.1854,
0.1875

■ 78.8443, 0.3543,
0.3581

■ 83.3028, 0.3525,
0.3660

■ 87.9705, 0.3508,
0.3737

Harmonies

Analogous

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



36.5800, 0.2574, 0.3082



36.5800, 0.2588, 0.2880



36.5800, 0.2738, 0.2796

Triad

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



36.5800, 0.2588, 0.2880



36.5800, 0.3569, 0.3202



36.5800, 0.3236, 0.3801

Complementary

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



36.5800, 0.2588, 0.2880



37.0847, 0.3810, 0.3665

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.



36.5800, 0.3514, 0.3812



36.5800, 0.2588, 0.2880



36.5800, 0.3714, 0.3452

Square

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



36.5800, 0.2588, 0.2880



36.5800, 0.3301, 0.2981



36.5800, 0.3693, 0.3677



36.5800, 0.2939, 0.3632

Rectangle

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



36.5800, 0.2588, 0.2880



36.5800, 0.2901, 0.2809



36.5800, 0.3693, 0.3677



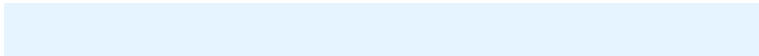
36.5800, 0.3335, 0.3823

Sweetspot

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



36.5814, 0.2588, 0.2880



88.9592, 0.2972, 0.3184



46.4519, 0.2899, 0.3894



18.7257, 0.2949, 0.3168



0.0000, 0.0000, 0.0000



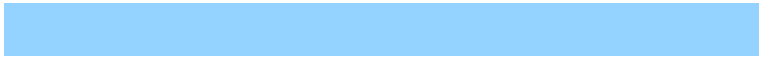
21.4041, 0.3127, 0.3290

Same Dimension

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



36.5814, 0.2588, 0.2880



60.0322, 0.2467, 0.2768



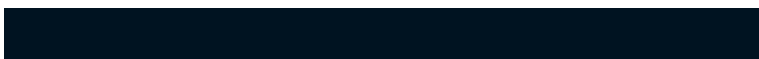
25.8525, 0.2521, 0.2369



10.7101, 0.2984, 0.3193



10.6483, 0.1860, 0.1896



0.5932, 0.1956, 0.2240

Inverse Universe

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



30.0070, 0.3464, 0.2768



47.1052, 0.3572, 0.2647



49.7858, 0.3670, 0.4069



10.1750, 0.3199, 0.3155



8.3572, 0.4572, 0.2292



0.3745, 0.4190, 0.2082

Previews

White Background



This preview shows how the Yxy color 36.5800, 0.2588, 0.2880 looks on a white background.

Color Contrast Check

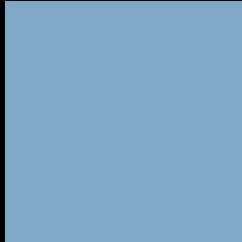
Large Text (above 18pt) WCAG AA × Fail

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 36.5800, 0.2588, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

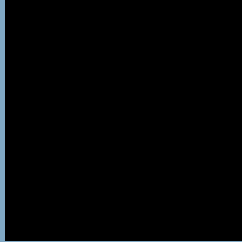
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

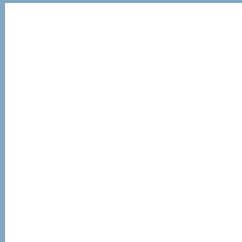
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5800, 0.2588, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 36.5800, 0.2588, 0.2880.



This preview shows how white text looks on a background with the Yxy color 36.5800, 0.2588, 0.2880.

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

36.5800, 0.2588, 0.2880

Protanopia

36.3192, 0.2833, 0.2869

Deuteranopia

36.3471, 0.2811, 0.2755



Tritanopia

36.5701, 0.2650, 0.3078

Trichromacy



Original Color

36.5800, 0.2588, 0.2880

Protanomaly

36.5122, 0.2738, 0.2876

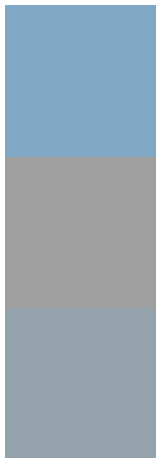
Deuteranomaly

36.1678, 0.2723, 0.2797

Tritanomaly

36.4424, 0.2629, 0.3006

Monochromacy



Original Color

36.5800, 0.2588, 0.2880

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1151, 0.2914, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5800, 0.2588, 0.2880 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, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 196)  
}
```

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, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 196) }
```

Border

The CSS property to change the border of an element to Yxy 36.5800, 0.2588, 0.2880 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, 168, 196) }
```

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

```
.border{ border-color:rgb(128, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5800, 0.2588, 0.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 196) }
```

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

```
.background{ background-color: rgb(128,  
168, 196) }
```

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