

Converting Colors

$Y_{xy}(37.9921, 0.2308, 0.2785)$

Have a look what the booklet for
Yxy(37.9921, 0.2308, 0.2785)
contains.

Yxy(37.8775, 0.2309, 0.2788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8775, 0.2309, 0.2788)

Conversions

Conversions Part 1

Format	Color
Hex	5AB0D2
RGB	90, 176, 210
RGB Percent	35%, 69%, 82%
CMY	0.6471, 0.3098, 0.1766
CMYK	0.57, 0.16, 0.00, 0.18
HSL	197°, 57%, 59%
HSV	197°, 57%, 82%
XYZ	31.3699, 37.8775, 66.6117
YIQ	154.1620, -62.1700, -7.6580

Conversions

Conversions Part 2

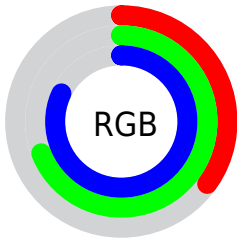
Format	Color
RYB	90, 140, 210
Decimal	5943506
CIELab	67.93, -16.23, -25.08
CIELCh	68, 29.870, 237.085
Yxy	37.8775, 0.2309, 0.2788
Android (android.graphics.Color)	4284133586 (0xFF5AB0D2)
YUV	154.1620, 27.5281, -56.2701
Hunter-Lab	61.5447, -16.7203, -21.0901

Details

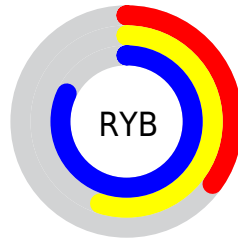
The Yxy color **37.8775, 0.2309, 0.2788** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **28.8361, 0.4577, 0.3706**, and the grayscale version is **32.2850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3228, 0.2514, 0.3024**, and **16.6258, 0.2081, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **34.6908, 0.2202, 0.2683**, and if you desaturate by 10%, it is **41.4663, 0.2432, 0.2890**.

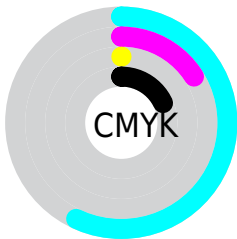
Distribution



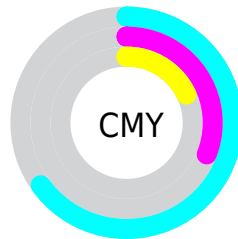
- Red (35%)
- Green (69%)
- Blue (82%)



- Red (35%)
- Yellow (55%)
- Blue (82%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8775, 0.2309, 0.2788 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 37.8775, 0.2309, 0.2788 by changing the saturation by 10% instead.

■ 37.8775, 0.2309,
0.2788

■ 37.8775, 0.2309,
0.2788

■ 337.0942, 0.2717,
0.3053

■ 25.8876, 0.2209,
0.2718

■ 71.9203, 0.2456,
0.2887

■ 16.7396, 0.2081,
0.2627

■ 94.7421, 0.2512,
0.2923

■ 10.0490, 0.1915,
0.2504

■ 121.9433, 0.2559,
0.2954

■ 5.4315, 0.1692,
0.2329

■ 153.9082, 0.2600,
0.2980

■ 2.5026, 0.1379,
0.2065

■ 191.0214, 0.2635,
0.3002

■ 0.8779, 0.0829,
0.1660

■ 233.6672, 0.2666,

■ 0.0000, 0.0000,

0.3021

0.0000

282.2300, 0.2693,
0.3038

■ 37.8775, 0.2309,
0.2788

■ 37.8775, 0.2309,
0.2788

■ 34.6908, 0.2202,
0.2683

■ 41.4663, 0.2432,
0.2890

■ 31.8750, 0.2113,
0.2576

■ 45.4771, 0.2568,
0.2987

■ 29.4001, 0.2044,
0.2469

■ 49.9331, 0.2713,
0.3078

■ 27.2242, 0.1994,
0.2363

■ 54.8543, 0.2864,
0.3162

■ 26.6380, 0.1982,
0.2333

■ 60.2595, 0.3018,
0.3239

■ 66.1660, 0.3171,
0.3309

■ 72.5905, 0.3322,
0.3372

■ 78.9835, 0.3446,
0.3428

■ 82.2257, 0.3436,
0.3487

Harmonies

Analogous

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



37.8775, 0.2376, 0.3143



37.8775, 0.2309, 0.2788



37.8775, 0.2438, 0.2598

Triad

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



37.8775, 0.2309, 0.2788



37.8775, 0.3621, 0.3004



37.8775, 0.3473, 0.4099

Complementary

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



37.8775, 0.2309, 0.2788



28.8361, 0.4577, 0.3706

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.



37.8775, 0.3839, 0.3988



37.8775, 0.2309, 0.2788



37.8775, 0.3938, 0.3349

Square

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



37.8775, 0.2309, 0.2788



37.8775, 0.3175, 0.2732



37.8775, 0.4016, 0.3704



37.8775, 0.3031, 0.3955

Rectangle

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



37.8775, 0.2309, 0.2788



37.8775, 0.2625, 0.2571



37.8775, 0.4016, 0.3704



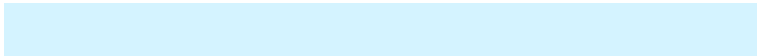
37.8775, 0.3610, 0.4088

Sweetspot

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



37.8789, 0.2309, 0.2788



85.1050, 0.2863, 0.3162



49.6567, 0.2881, 0.4650



17.8712, 0.2833, 0.3145



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.



37.8789, 0.2309, 0.2788



52.6426, 0.2176, 0.2655



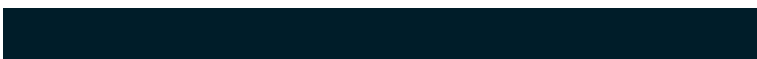
19.7760, 0.2112, 0.1871



12.8179, 0.2983, 0.3223



16.4318, 0.1986, 0.2349



1.0498, 0.2040, 0.2542

Inverse Universe

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



24.1414, 0.3593, 0.2279



31.2766, 0.3738, 0.2122



47.8806, 0.4120, 0.4371



11.9496, 0.3180, 0.3125



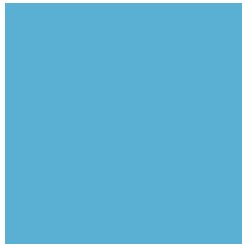
9.7301, 0.4076, 0.2019



0.5573, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 37.8775, 0.2309, 0.2788 looks on a white background.

Color Contrast Check

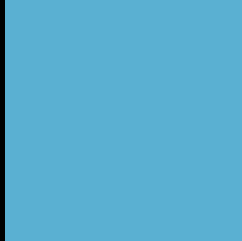
Large Text (above 18pt) WCAG AA × Fail

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 37.8775, 0.2309, 0.2788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

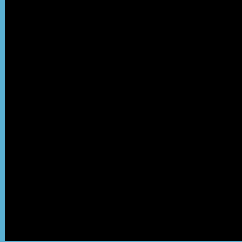
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8775, 0.2309, 0.2788

Background



This preview shows how black text looks on a background with the Yxy color 37.8775, 0.2309, 0.2788.

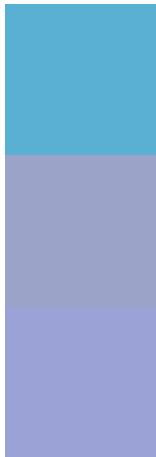


This preview shows how white text looks on a background with the Yxy color 37.8775, 0.2309, 0.2788.

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

37.8775, 0.2309, 0.2788

Protanopia

37.4794, 0.2759, 0.2769

Deuteranopia

37.6133, 0.2665, 0.2608



Tritanopia

37.9295, 0.2374, 0.3072

Trichromacy



Original Color

37.8775, 0.2309, 0.2788

Protanomaly

37.2704, 0.2565, 0.2777

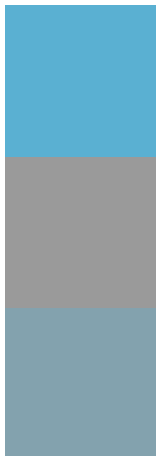
Deuteranomaly

37.2162, 0.2506, 0.2660

Tritanomaly

37.9427, 0.2353, 0.2969

Monochromacy



Original Color

37.8775, 0.2309, 0.2788

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7219, 0.2755, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8775, 0.2309, 0.2788 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(90, 176, 210)` looks like.

```
.text, #text, p{  
    color:rgb(90, 176, 210)  
}
```

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(90, 176, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 176, 210) }
```

Border

The CSS property to change the border of an element to Yxy 37.8775, 0.2309, 0.2788 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(90, 176, 210) }
```

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

```
.border{ border-color:rgb(90, 176, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 176, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 176, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 176, 210);  
box-shadow:4px 4px 4px 4px rgb(90, 176,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8775, 0.2309, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 176, 210) }
```

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

```
.background{ background-color: rgb(90, 176,  
210) }
```

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