

Converting Colors

$Yxy(28.0944, 0.2131, 0.2576)$

Have a look what the booklet for
Yxy(28.0944, 0.2131, 0.2576)
contains.

Yxy(28.2237, 0.2133, 0.2586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2237, 0.2133, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	339BC6
RGB	51, 155, 198
RGB Percent	20%, 61%, 78%
CMY	0.7998, 0.3922, 0.2236
CMYK	0.74, 0.22, 0.00, 0.22
HSL	198°, 59%, 49%
HSV	198°, 74%, 78%
XYZ	23.2796, 28.2237, 57.6370
YIQ	128.8060, -75.7870, -8.6750

Conversions

Conversions Part 2

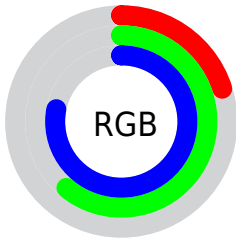
Format	Color
RYB	51, 112, 198
Decimal	3382214
CIELab	60.09, -15.14, -30.60
CIElCh	60, 34.138, 243.673
Yxy	28.2237, 0.2133, 0.2586
Android (android.graphics.Color)	4281572294 (0xFF339BC6)
YUV	128.8060, 34.1126, -68.2359
Hunter-Lab	53.1260, -14.7523, -27.1363

Details

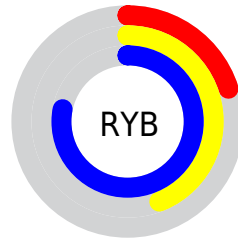
The Yxy color **28.2237, 0.2133, 0.2586** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **20.2547, 0.5191, 0.3770**, and the grayscale version is **21.7851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6028, 0.2319, 0.2724**, and **11.9142, 0.1995, 0.2380** is the 20% darker color. If you saturate the color by 10%, you get **25.9329, 0.2056, 0.2475**, and if you desaturate by 10%, it is **30.8278, 0.2229, 0.2696**.

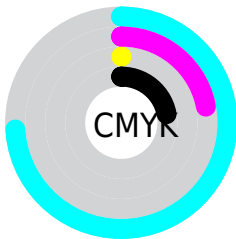
Distribution



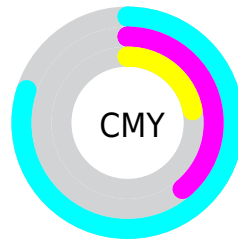
- Red (20%)
- Green (61%)
- Blue (78%)



- Red (20%)
- Yellow (44%)
- Blue (78%)



- Cyan (74%)
- Magenta (22%)
- Yellow (0%)
- Black (22%)




- Cyan (80%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2237, 0.2133, 0.2586 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 28.2237, 0.2133, 0.2586 by changing the saturation by 10% instead.


 28.2237, 0.2133,
0.2586


 28.2237, 0.2133,
0.2586


293.5343, 0.2647,
0.2969

 18.4944, 0.2002,
0.2482


 56.8414, 0.2322,
0.2732


 11.3055, 0.1835,
0.2344


 76.4985, 0.2393,
0.2785

 6.2727, 0.1614,
0.2154


 100.2337, 0.2452,
0.2829

 3.0116, 0.1316,
0.1882

 128.4314, 0.2502,
0.2866

 1.1378, 0.0898,
0.1476

 161.4758, 0.2546,
0.2897

 0.0100, 0.0000,
0.0037

199.7516, 0.2584,

 0.0000, 0.0000,

0.2925

0.0000

243.6429, 0.2617,
0.2948

■ 28.2237, 0.2133,
0.2586

■ 28.2237, 0.2133,
0.2586

■ 25.9329, 0.2056,
0.2475

■ 30.8278, 0.2229,
0.2696

■ 23.9213, 0.2000,
0.2366

■ 33.7683, 0.2343,
0.2804

■ 22.8522, 0.1973,
0.2303

■ 37.0688, 0.2471,
0.2908

■ 40.7495, 0.2611,
0.3006

■ 44.8290, 0.2758,
0.3098

■ 49.3244, 0.2910,
0.3183

■ 54.2517, 0.3063,
0.3260

■ 59.6258, 0.3215,
0.3329

■ 65.4609, 0.3364,
0.3391

Harmonies

Analogous

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



28.2237, 0.2158, 0.2980



28.2237, 0.2133, 0.2586



28.2237, 0.2339, 0.2412

Triad

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



28.2237, 0.2133, 0.2586



28.2237, 0.3858, 0.3018



28.2237, 0.3429, 0.4313

Complementary

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



28.2237, 0.2133, 0.2586



20.2547, 0.5191, 0.3770

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.



28.2237, 0.3925, 0.4213



28.2237, 0.2133, 0.2586



28.2237, 0.4203, 0.3446

Square

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



28.2237, 0.2133, 0.2586



28.2237, 0.3309, 0.2665



28.2237, 0.4220, 0.3877



28.2237, 0.2878, 0.4061

Rectangle

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



28.2237, 0.2133, 0.2586



28.2237, 0.2594, 0.2414



28.2237, 0.4220, 0.3877



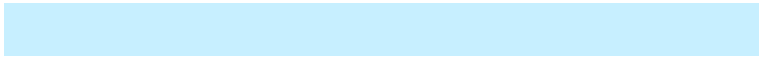
28.2237, 0.3608, 0.4315

Sweetspot

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



28.2247, 0.2133, 0.2586



80.8408, 0.2786, 0.3114



41.8710, 0.2850, 0.5074



16.8540, 0.2745, 0.3090



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.



28.2247, 0.2133, 0.2586



43.6946, 0.2020, 0.2408



10.9508, 0.1822, 0.1363



11.5232, 0.2984, 0.3221



15.0177, 0.1977, 0.2318



0.8318, 0.2040, 0.2544

Inverse Universe

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



16.7424, 0.3809, 0.2099



25.7500, 0.4007, 0.2031



39.5698, 0.4370, 0.4606



10.7617, 0.3181, 0.3128



9.0560, 0.4108, 0.2037



0.4410, 0.3878, 0.1910

Previews

White Background



This preview shows how the Yxy color 28.2237, 0.2133, 0.2586 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2237, 0.2133, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

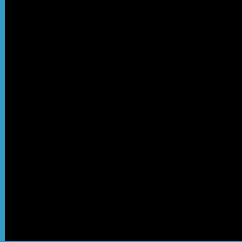
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2237, 0.2133, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 28.2237, 0.2133, 0.2586.

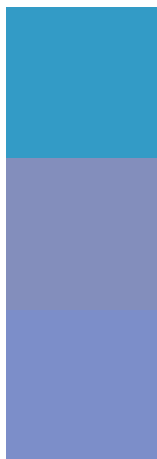


This preview shows how white text looks on a background with the Yxy color 28.2237, 0.2133, 0.2586.

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

28.2237, 0.2133, 0.2586

Protanopia

27.8021, 0.2618, 0.2589

Deuteranopia

27.8481, 0.2470, 0.2411



Tritanopia

28.3918, 0.2214, 0.3057

Trichromacy



Original Color

28.2237, 0.2133, 0.2586

Protanomaly

27.4980, 0.2382, 0.2576

Deuteranomaly

27.5790, 0.2303, 0.2463

Tritanomaly

28.2062, 0.2180, 0.2873

Monochromacy



Original Color

28.2237, 0.2133, 0.2586

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.2768, 0.2616, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2237, 0.2133, 0.2586 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(51, 155, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 155, 198)  
}
```

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(51, 155, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 155, 198) }
```

Border

The CSS property to change the border of an element to Yxy 28.2237, 0.2133, 0.2586 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(51, 155, 198) }
```

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

```
.border{ border-color:rgb(51, 155, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 155, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 155, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 155, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 155,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2237, 0.2133, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 155, 198) }
```

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

```
.background{ background-color: rgb(51, 155,  
198) }
```

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