

Converting Colors

$Y_{xy}(28.3103, 0.2348, 0.2728)$

Have a look what the booklet for
Yxy(28.3103, 0.2348, 0.2728)
contains.

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Color

Yxy(28.1682, 0.2346, 0.2717)

Conversions

Conversions Part 1

Format	Color
Hex	5998BB
RGB	89, 152, 187
RGB Percent	35%, 60%, 73%
CMY	0.6509, 0.4039, 0.2666
CMYK	0.52, 0.19, 0.00, 0.27
HSL	201°, 42%, 54%
HSV	201°, 52%, 73%
XYZ	24.3219, 28.1682, 51.1838
YIQ	137.1530, -48.7830, -2.4710

Conversions

Conversions Part 2

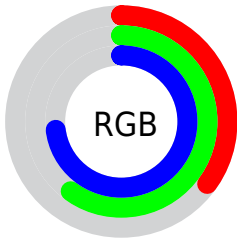
Format	Color
R_{YB}	89, 127, 187
Decimal	5871803
CIE _{Lab}	60.04, -10.32, -24.40
CIE _{LCh}	60, 26.498, 247.069
Yxy	28.1682, 0.2346, 0.2717
Android (android.graphics.Color)	4284061883 (0xFF5998BB)
YUV	137.1530, 24.5746, -42.2302
Hunter-Lab	53.0737, -11.0785, -20.0271

Details

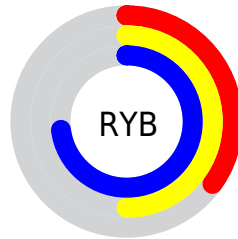
The Yxy color **28.1682, 0.2346, 0.2717** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.7214, 0.4334, 0.3777**, and the grayscale version is **24.9997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6334, 0.2501, 0.2837**, and **11.2616, 0.2095, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **25.2487, 0.2220, 0.2584**, and if you desaturate by 10%, it is **31.4472, 0.2484, 0.2844**.

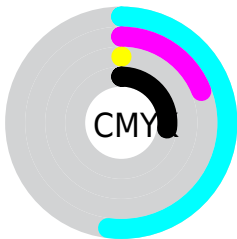
Distribution



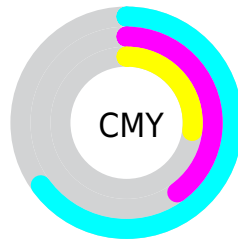
- Red (35%)
- Green (60%)
- Blue (73%)



- Red (35%)
- Yellow (50%)
- Blue (73%)



- Cyan (52%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)



- Cyan (65%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1682, 0.2346, 0.2717 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 28.1682, 0.2346, 0.2717 by changing the saturation by 10% instead.

■ 28.1682, 0.2346,
0.2717

■ 28.1682, 0.2346,
0.2717

■ 293.2698, 0.2756,
0.3029

■ 18.4525, 0.2239,
0.2631

■ 56.7529, 0.2499,
0.2836

■ 11.2753, 0.2098,
0.2517

■ 76.3906, 0.2555,
0.2879

■ 6.2523, 0.1908,
0.2357

■ 100.1045, 0.2602,
0.2915

■ 2.9991, 0.1640,
0.2121

■ 128.2789, 0.2642,
0.2945

■ 1.1313, 0.1244,
0.1750

■ 161.2983, 0.2677,
0.2971

■ 0.0045, 0.0000,
0.0023

■ 199.5469, 0.2707,

■ 0.0000, 0.0000,

0.2993

0.0000

243.4093, 0.2733,
0.3012

■ 28.1682, 0.2346,
0.2717

■ 28.1682, 0.2346,
0.2717

■ 25.2487, 0.2220,
0.2584

■ 31.4472, 0.2484,
0.2844

■ 22.6654, 0.2111,
0.2448

■ 35.1008, 0.2631,
0.2964

■ 20.3965, 0.2021,
0.2311

■ 39.1467, 0.2784,
0.3075

■ 18.4150, 0.1952,
0.2175

■ 43.6005, 0.2938,
0.3177

■ 17.0622, 0.1910,
0.2074

■ 48.4767, 0.3091,
0.3269

■ 53.7891, 0.3241,
0.3352

■ 59.5506, 0.3386,
0.3426

■ 65.7737, 0.3524,
0.3491

■ 72.0207, 0.3638,
0.3550

Harmonies

Analogous

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



28.1682, 0.2347, 0.3016



28.1682, 0.2346, 0.2717



28.1682, 0.2534, 0.2588

Triad

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



28.1682, 0.2346, 0.2717



28.1682, 0.3735, 0.3118



28.1682, 0.3325, 0.4064

Complementary

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



28.1682, 0.2346, 0.2717



25.7214, 0.4334, 0.3777

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.



28.1682, 0.3721, 0.4034



28.1682, 0.2346, 0.2717



28.1682, 0.3976, 0.3468

Square

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



28.1682, 0.2346, 0.2717



28.1682, 0.3325, 0.2820



28.1682, 0.3966, 0.3802



28.1682, 0.2893, 0.3839

Rectangle

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



28.1682, 0.2346, 0.2717



28.1682, 0.2753, 0.2599



28.1682, 0.3966, 0.3802



28.1682, 0.3467, 0.4082

Sweetspot

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



28.1692, 0.2346, 0.2717



74.8949, 0.2878, 0.3139



39.1161, 0.2843, 0.4362



16.1299, 0.2846, 0.3118



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



28.1692, 0.2346, 0.2717



44.4156, 0.2202, 0.2562



15.5609, 0.2180, 0.1882



10.2200, 0.2985, 0.3206



11.8926, 0.1914, 0.2090



0.5853, 0.2003, 0.2411

Inverse Universe

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



19.9851, 0.3640, 0.2446



29.7895, 0.3806, 0.2297



40.9202, 0.3973, 0.4379



9.6368, 0.3191, 0.3144



8.2303, 0.4352, 0.2171



0.3344, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 28.1682, 0.2346, 0.2717 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 28.1682, 0.2346, 0.2717 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 28.1682, 0.2346, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 28.1682, 0.2346, 0.2717.

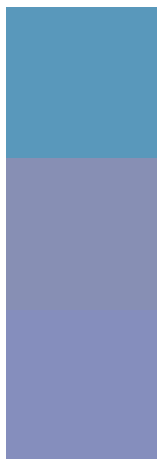


This preview shows how white text looks on a background with the Yxy color 28.1682, 0.2346, 0.2717.

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

28.1682, 0.2346, 0.2717

Protanopia

28.0911, 0.2716, 0.2720

Deuteranopia

28.0067, 0.2628, 0.2579



Tritanopia

28.0637, 0.2431, 0.3063

Trichromacy



Original Color

28.1682, 0.2346, 0.2717

Protanomaly

27.8282, 0.2555, 0.2704

Deuteranomaly

27.9705, 0.2513, 0.2633

Tritanomaly

28.1376, 0.2401, 0.2932

Monochromacy



Original Color

28.1682, 0.2346, 0.2717

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7056, 0.2785, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1682, 0.2346, 0.2717 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(89, 152, 187)` looks like.

```
.text, #text, p{  
    color:rgb(89, 152, 187)  
}
```

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(89, 152, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 152, 187) }
```

Border

The CSS property to change the border of an element to Yxy 28.1682, 0.2346, 0.2717 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(89, 152, 187) }
```

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

```
.border{ border-color:rgb(89, 152, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 152, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 152, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 152, 187);  
box-shadow:4px 4px 4px 4px rgb(89, 152,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1682, 0.2346, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 152, 187) }
```

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

```
.background{ background-color: rgb(89, 152,  
187) }
```

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](#).

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