

Converting Colors

$Y_{xy}(29.3855, 0.2688, 0.2847)$

Have a look what the booklet for
Yxy(29.3855, 0.2688, 0.2847)
contains.

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Color

Yxy(29.2984, 0.2680, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	8095B2
RGB	128, 149, 178
RGB Percent	50%, 58%, 70%
CMY	0.4980, 0.4157, 0.3019
CMYK	0.28, 0.16, 0.00, 0.30
HSL	215°, 25%, 60%
HSV	215°, 28%, 70%
XYZ	27.6868, 29.2984, 46.3237
YIQ	146.0270, -21.8250, 4.5670

Conversions

Conversions Part 2

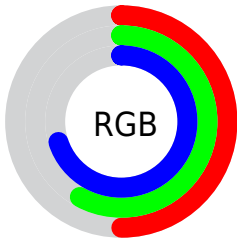
Format	Color
R_{YB}	128, 143, 178
Decimal	8426930
CIE _{Lab}	61.04, -0.64, -17.59
CIE _{LCh}	61, 17.599, 267.919
Yxy	29.2984, 0.2680, 0.2836
Android (android.graphics.Color)	4286617010 (0xFF8095B2)
YUV	146.0270, 15.7627, -15.8097
Hunter-Lab	54.1280, -3.4202, -12.8518

Details

The Yxy color **29.2984, 0.2680, 0.2836** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.1461, 0.3618, 0.3705**, and the grayscale version is **28.6981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5975, 0.2770, 0.2925**, and **11.7938, 0.2529, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **24.9136, 0.2511, 0.2642**, and if you desaturate by 10%, it is **34.2176, 0.2845, 0.3013**.

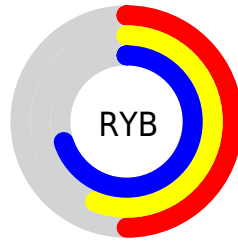
Distribution



Red (50%)

Green (58%)

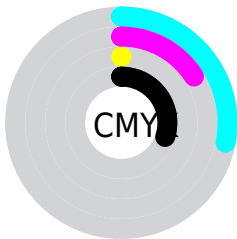
Blue (70%)



Red (50%)

Yellow (56%)

Blue (70%)

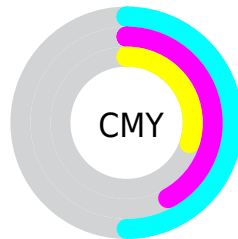


Cyan (28%)

Magenta (16%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (42%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2984, 0.2680, 0.2836 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 29.2984, 0.2680, 0.2836 by changing the saturation by 10% instead.

■ 29.2984, 0.2680,
0.2836

■ 29.2984, 0.2680,
0.2836

■ 298.6203, 0.2918,
0.3078

■ 19.3067, 0.2616,
0.2771

■ 58.5509, 0.2770,
0.2928

■ 11.8921, 0.2531,
0.2683

■ 78.5804, 0.2803,
0.2961

■ 6.6702, 0.2412,
0.2562

■ 102.7246, 0.2830,
0.2989

■ 3.2567, 0.2237,
0.2382

■ 131.3679, 0.2853,
0.3012

■ 1.2672, 0.1956,
0.2093

■ 164.8948, 0.2873,
0.3032

■ 0.1156, 0.0582,
0.0713

■ 203.6895, 0.2890,

■ 0.0000, 0.0000,

0.3050

0.0000

248.1366, 0.2905,
0.3065

■ 29.2984, 0.2680,
0.2836

■ 29.2984, 0.2680,
0.2836

■ 24.9136, 0.2511,
0.2642

■ 34.2176, 0.2845,
0.3013

■ 21.0394, 0.2344,
0.2435

■ 39.6866, 0.3004,
0.3173

■ 17.6555, 0.2183,
0.2216

■ 45.7245, 0.3155,
0.3316

■ 14.7385, 0.2034,
0.1993

■ 52.3483, 0.3296,
0.3442

■ 12.2625, 0.1904,
0.1771

■ 59.5744, 0.3428,
0.3554

■ 10.1983, 0.1797,
0.1558

■ 67.4183, 0.3549,
0.3652

■ 8.5035, 0.1716,
0.1362

■ 75.8950, 0.3660,
0.3737

■ 8.2116, 0.1702,
0.1326

■ 81.9769, 0.3649,
0.3833

■ 87.9508, 0.3620,
0.3930

Harmonies

Analogous

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



29.2984, 0.2588, 0.2967



29.2984, 0.2680, 0.2836



29.2984, 0.2889, 0.2824

Triad

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



29.2984, 0.2680, 0.2836



29.2984, 0.3648, 0.3346



29.2984, 0.3064, 0.3700

Complementary

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



29.2984, 0.2680, 0.2836



35.1461, 0.3618, 0.3705

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.



29.2984, 0.3350, 0.3801



29.2984, 0.2680, 0.2836



29.2984, 0.3696, 0.3578

Square

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



29.2984, 0.2680, 0.2836



29.2984, 0.3452, 0.3111



29.2984, 0.3584, 0.3749



29.2984, 0.2803, 0.3472

Rectangle

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



29.2984, 0.2680, 0.2836



29.2984, 0.3073, 0.2880



29.2984, 0.3584, 0.3749



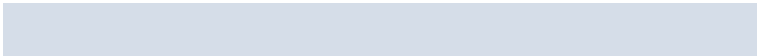
29.2984, 0.3160, 0.3750

Sweetspot

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



29.2996, 0.2680, 0.2836



71.9087, 0.3004, 0.3172



38.8489, 0.2879, 0.3625



15.5882, 0.2980, 0.3150



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.



29.2996, 0.2680, 0.2836



47.8507, 0.2571, 0.2712



23.5065, 0.2677, 0.2500



8.7970, 0.2985, 0.3154



5.9932, 0.1708, 0.1347



0.3050, 0.1865, 0.1914

Inverse Universe

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



27.0761, 0.3478, 0.2989



43.5537, 0.3589, 0.2916



42.4833, 0.3512, 0.3987



8.5625, 0.3223, 0.3195



7.1451, 0.5262, 0.2672



0.2366, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 29.2984, 0.2680, 0.2836 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 29.2984, 0.2680, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

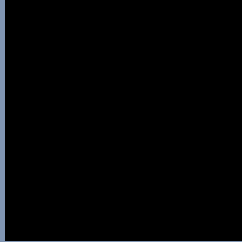
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2984, 0.2680, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 29.2984, 0.2680, 0.2836.



This preview shows how white text looks on a background with the Yxy color 29.2984, 0.2680, 0.2836.

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

29.2984, 0.2680, 0.2836

Protanopia

29.3551, 0.2807, 0.2832

Deuteranopia

29.2209, 0.2817, 0.2764



Tritanopia

29.1735, 0.2767, 0.3078

Trichromacy



Original Color

29.2984, 0.2680, 0.2836

Protanomaly

29.2760, 0.2755, 0.2827

Deuteranomaly

29.3014, 0.2764, 0.2787

Tritanomaly

29.1129, 0.2735, 0.2985

Monochromacy



Original Color

29.2984, 0.2680, 0.2836

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.8250, 0.2945, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2984, 0.2680, 0.2836 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, 149, 178)` looks like.

```
.text, #text, p{  
    color:rgb(128, 149, 178)  
}
```

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, 149, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 149, 178) }
```

Border

The CSS property to change the border of an element to Yxy 29.2984, 0.2680, 0.2836 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, 149, 178) }
```

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

```
.border{ border-color:rgb(128, 149, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 149, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 149, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 149, 178);  
box-shadow:4px 4px 4px 4px rgb(128, 149,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2984, 0.2680, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 149, 178) }
```

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

```
.background{ background-color: rgb(128,  
149, 178) }
```

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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