

Converting Colors

$Y_{xy}(29.2982, 0.2338, 0.2858)$

Have a look what the booklet for
Yxy(29.2982, 0.2338, 0.2858)
contains.

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Color

Yxy(29.2383, 0.2337, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	509DB7
RGB	80, 157, 183
RGB Percent	31%, 62%, 72%
CMY	0.6860, 0.3843, 0.2823
CMYK	0.56, 0.14, 0.00, 0.28
HSL	195°, 42%, 52%
HSV	195°, 56%, 72%
XYZ	23.9167, 29.2383, 49.1842
YIQ	136.9410, -54.2380, -8.2380

Conversions

Conversions Part 2

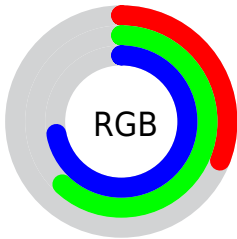
Format	Color
R _Y B	80, 124, 183
Decimal	5283255
CIE Lab	60.99, -16.20, -20.71
CIE LCh	61, 26.293, 231.977
Yxy	29.2383, 0.2337, 0.2857
Android (android.graphics.Color)	4283473335 (0xFF509DB7)
YUV	136.9410, 22.7071, -49.9373
Hunter-Lab	54.0725, -15.6749, -16.0794

Details

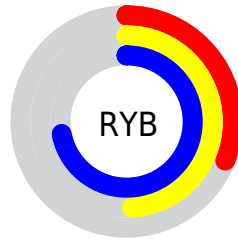
The Yxy color **29.2383, 0.2337, 0.2857** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.9721, 0.4555, 0.3655**, and the grayscale version is **24.9274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6373, 0.2491, 0.2955**, and **11.9391, 0.2091, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **27.0124, 0.2232, 0.2765**, and if you desaturate by 10%, it is **31.7426, 0.2457, 0.2946**.

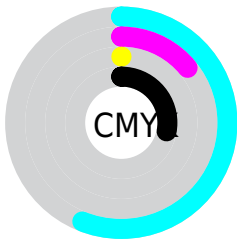
Distribution



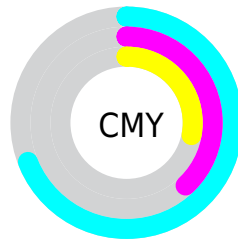
- Red (31%)
- Green (62%)
- Blue (72%)



- Red (31%)
- Yellow (49%)
- Blue (72%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (28%)




- Cyan (69%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2383, 0.2337, 0.2857 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 29.2383, 0.2337, 0.2857 by changing the saturation by 10% instead.


 29.2383, 0.2337,
0.2857


 29.2383, 0.2337,
0.2857


298.3377, 0.2749,
0.3097


 19.2612, 0.2230,
0.2789


 58.4555, 0.2490,
0.2950

 11.8591, 0.2089,
0.2697


 78.4643, 0.2547,
0.2983

 6.6478, 0.1900,
0.2567

 102.5859, 0.2594,
0.3011

 3.2429, 0.1633,
0.2369

 131.2045, 0.2635,
0.3033

 1.2598, 0.1236,
0.2045

164.7046, 0.2669,
0.3053

 0.1098, 0.0000,
0.0606

203.4705, 0.2700,

 0.0000, 0.0000,

0.3070

0.0000

247.8868, 0.2726,
0.3084

■ 29.2383, 0.2337,
0.2857

■ 29.2383, 0.2337,
0.2857

■ 27.0124, 0.2232,
0.2765

■ 31.7426, 0.2457,
0.2946

■ 25.0429, 0.2146,
0.2672

■ 34.5387, 0.2590,
0.3030

■ 23.3093, 0.2079,
0.2578

■ 37.6428, 0.2732,
0.3110

■ 21.7834, 0.2030,
0.2485

■ 41.0689, 0.2881,
0.3184

■ 21.2429, 0.2014,
0.2451

■ 44.8300, 0.3032,
0.3251

■ 48.9382, 0.3184,
0.3312

■ 53.4052, 0.3334,
0.3367

■ 58.2419, 0.3481,
0.3416

■ 63.4586, 0.3622,
0.3459

Harmonies

Analogous

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



29.2383, 0.2434, 0.3220



29.2383, 0.2337, 0.2857



29.2383, 0.2430, 0.2644

Triad

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



29.2383, 0.2337, 0.2857



29.2383, 0.3534, 0.2964



29.2383, 0.3529, 0.4064

Complementary

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



29.2383, 0.2337, 0.2857



20.9721, 0.4555, 0.3655

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.



29.2383, 0.3855, 0.3925



29.2383, 0.2337, 0.2857



29.2383, 0.3868, 0.3290

Square

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



29.2383, 0.2337, 0.2857



29.2383, 0.3099, 0.2719



29.2383, 0.3986, 0.3635



29.2383, 0.3108, 0.3968

Rectangle

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



29.2383, 0.2337, 0.2857



29.2383, 0.2592, 0.2597



29.2383, 0.3986, 0.3635



29.2383, 0.3654, 0.4040

Sweetspot

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



29.2394, 0.2337, 0.2857



72.8892, 0.2865, 0.3176



36.6134, 0.2895, 0.4641



15.8208, 0.2835, 0.3162



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.2394, 0.2337, 0.2857



47.6871, 0.2215, 0.2748



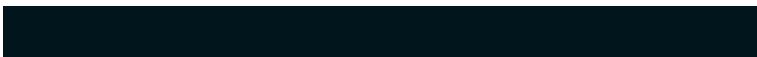
15.3948, 0.2144, 0.1942



9.8159, 0.2985, 0.3231



14.9326, 0.2017, 0.2462



0.6190, 0.2083, 0.2700

Inverse Universe

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



18.2492, 0.3532, 0.2263



27.5474, 0.3650, 0.2103



34.8533, 0.4108, 0.4328



9.1229, 0.3175, 0.3121



8.2898, 0.3961, 0.1955



0.3016, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 29.2383, 0.2337, 0.2857 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 29.2383, 0.2337, 0.2857 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 29.2383, 0.2337, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 29.2383, 0.2337, 0.2857.



This preview shows how white text looks on a background with the Yxy color 29.2383, 0.2337, 0.2857.

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

29.2383, 0.2337, 0.2857

Protanopia

28.9214, 0.2805, 0.2829

Deuteranopia

29.0671, 0.2715, 0.2661



Tritanopia

29.3113, 0.2387, 0.3065

Trichromacy



Original Color

29.2383, 0.2337, 0.2857

Protanomaly

28.5608, 0.2598, 0.2826

Deuteranomaly

28.8492, 0.2548, 0.2725

Tritanomaly

29.1661, 0.2365, 0.2983

Monochromacy



Original Color

29.2383, 0.2337, 0.2857

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.9926, 0.2760, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2383, 0.2337, 0.2857 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(80, 157, 183)` looks like.

```
.text, #text, p{  
    color:rgb(80, 157, 183)  
}
```

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(80, 157, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 157, 183) }
```

Border

The CSS property to change the border of an element to Yxy 29.2383, 0.2337, 0.2857 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(80, 157, 183) }
```

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

```
.border{ border-color:rgb(80, 157, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 157, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 157, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 157, 183);  
box-shadow:4px 4px 4px 4px rgb(80, 157,  
183) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.2383, 0.2337, 0.2857$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 157, 183) }
```

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

```
.background{ background-color: rgb(80, 157,  
183) }
```

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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