

Converting Colors

$Y_{xy}(29.0686, 0.2256, 0.2560)$

Have a look what the booklet for
Yxy(29.0686, 0.2256, 0.2560)
contains.

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Color

$\text{Yxy}(29.2126, 0.2259, 0.2566)$

Conversions

Conversions Part 1

Format	Color
Hex	559AC8
RGB	85, 154, 200
RGB Percent	33%, 60%, 78%
CMY	0.6671, 0.3960, 0.2158
CMYK	0.58, 0.23, 0.00, 0.22
HSL	204°, 51%, 56%
HSV	204°, 58%, 78%
XYZ	25.7176, 29.2126, 58.9147
YIQ	138.6130, -55.8900, -0.3220

Conversions

Conversions Part 2

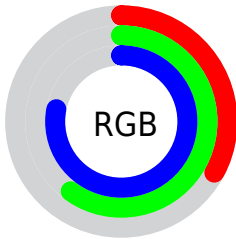
Format	Color
R _Y B	85, 128, 200
Decimal	5610184
CIE Lab	60.97, -8.37, -30.27
CIE LCh	61, 31.404, 254.549
Yxy	29.2126, 0.2259, 0.2566
Android (android.graphics.Color)	4283800264 (0xFF559AC8)
YUV	138.6130, 30.2638, -47.0186
Hunter-Lab	54.0487, -9.6509, -26.7939

Details

The Yxy color **29.2126, 0.2259, 0.2566** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **29.1231, 0.4467, 0.3878**, and the grayscale version is **25.5508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1714, 0.2436, 0.2728**, and **11.8403, 0.1995, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **25.8581, 0.2135, 0.2413**, and if you desaturate by 10%, it is **33.0090, 0.2397, 0.2714**.

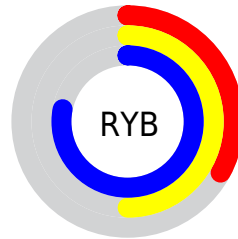
Distribution



Red (33%)

Green (60%)

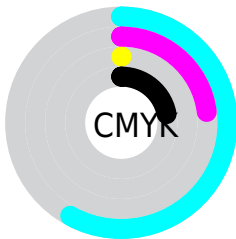
Blue (78%)



Red (33%)

Yellow (50%)

Blue (78%)

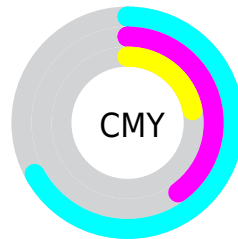


Cyan (58%)

Magenta (23%)

Yellow (0%)

Black (22%)



Cyan (67%)

Magenta (40%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2126, 0.2259, 0.2566 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 29.2126, 0.2259, 0.2566 by changing the saturation by 10% instead.

■ 29.2126, 0.2259,
0.2566

■ 29.2126, 0.2259,
0.2566

■ 298.2167, 0.2709,
0.2952

■ 19.2417, 0.2144,
0.2463

■ 58.4147, 0.2425,
0.2711

■ 11.8451, 0.1995,
0.2329

■ 78.4147, 0.2487,
0.2764

■ 6.6383, 0.1797,
0.2146

■ 102.5265, 0.2539,
0.2809

■ 3.2369, 0.1525,
0.1886

■ 131.1345, 0.2583,
0.2846

■ 1.2566, 0.1141,
0.1502

■ 164.6232, 0.2621,
0.2878

■ 0.1073, 0.0000,
0.0360

■ 203.3768, 0.2654,

■ 0.0000, 0.0000,

0.2906

0.0000

247.7799, 0.2683,
0.2931

■ 29.2126, 0.2259,
0.2566

■ 29.2126, 0.2259,
0.2566

■ 25.8581, 0.2135,
0.2413

■ 33.0090, 0.2397,
0.2714

■ 22.9159, 0.2030,
0.2258

■ 37.2675, 0.2545,
0.2854

■ 20.3568, 0.1945,
0.2104

■ 42.0109, 0.2700,
0.2985

■ 18.1390, 0.1881,
0.1955

■ 47.2590, 0.2856,
0.3105

■ 17.6317, 0.1866,
0.1918

■ 53.0304, 0.3012,
0.3215

■ 59.3425, 0.3164,
0.3313

■ 66.2120, 0.3311,
0.3401

■ 73.6546, 0.3452,
0.3479

■ 79.7646, 0.3512,
0.3553

Harmonies

Analogous

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



29.2126, 0.2204, 0.2860



29.2126, 0.2259, 0.2566



29.2126, 0.2524, 0.2474

Triad

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



29.2126, 0.2259, 0.2566



29.2126, 0.3935, 0.3182



29.2126, 0.3224, 0.4168

Complementary

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



29.2126, 0.2259, 0.2566



29.1231, 0.4467, 0.3878

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.



29.2126, 0.3710, 0.4196



29.2126, 0.2259, 0.2566



29.2126, 0.4147, 0.3587

Square

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



29.2126, 0.2259, 0.2566



29.2126, 0.3486, 0.2822



29.2126, 0.4056, 0.3960



29.2126, 0.2734, 0.3833

Rectangle

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



29.2126, 0.2259, 0.2566



29.2126, 0.2801, 0.2519



29.2126, 0.4056, 0.3960



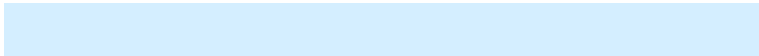
29.2126, 0.3393, 0.4213

Sweetspot

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



29.2137, 0.2259, 0.2566



82.1332, 0.2861, 0.3109



44.8112, 0.2804, 0.4433



17.1667, 0.2829, 0.3085



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.



29.2137, 0.2259, 0.2566



43.4726, 0.2108, 0.2375



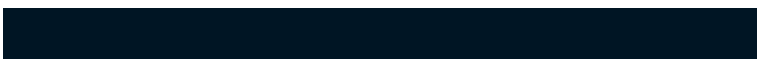
14.8901, 0.2062, 0.1655



11.3293, 0.2984, 0.3196



11.3923, 0.1872, 0.1939



0.6783, 0.1959, 0.2251

Inverse Universe

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



21.0902, 0.3785, 0.2427



30.3509, 0.3999, 0.2300



48.2826, 0.4029, 0.4511



10.7421, 0.3198, 0.3152



8.6900, 0.4522, 0.2265



0.4255, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 29.2126, 0.2259, 0.2566 looks on a white background.

Color Contrast Check

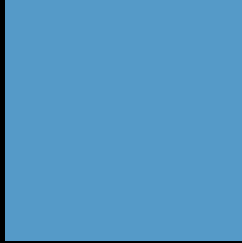
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2126, 0.2259, 0.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

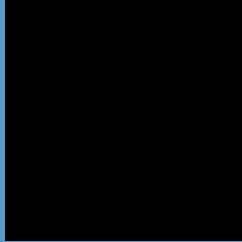
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

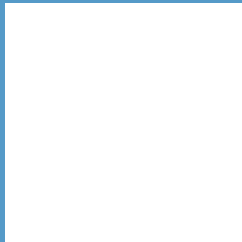
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2126, 0.2259, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 29.2126, 0.2259, 0.2566.



This preview shows how white text looks on a background with the Yxy color 29.2126, 0.2259, 0.2566.

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

29.2126, 0.2259, 0.2566

Protanopia

29.0876, 0.2603, 0.2574

Deuteranopia

29.1043, 0.2501, 0.2451



Tritanopia

29.1913, 0.2372, 0.3064

Trichromacy



Original Color

29.2126, 0.2259, 0.2566

Protanomaly

28.8783, 0.2457, 0.2556

Deuteranomaly

28.8416, 0.2397, 0.2486

Tritanomaly

29.0691, 0.2327, 0.2871

Monochromacy



Original Color

29.2126, 0.2259, 0.2566

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.4417, 0.2728, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2126, 0.2259, 0.2566 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(85, 154, 200)` looks like.

```
.text, #text, p{  
    color:rgb(85, 154, 200)  
}
```

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(85, 154, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 154, 200) }
```

Border

The CSS property to change the border of an element to Yxy 29.2126, 0.2259, 0.2566 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(85, 154, 200) }
```

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

```
.border{ border-color:rgb(85, 154, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 154, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 154, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 154, 200);  
box-shadow:4px 4px 4px 4px rgb(85, 154,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2126, 0.2259, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 154, 200) }
```

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

```
.background{ background-color: rgb(85, 154,  
200) }
```

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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