

Converting Colors

$Y_{xy}(27.8494, 0.2197, 0.2379)$

Have a look what the booklet for
Yxy(27.8494, 0.2197, 0.2379)
contains.

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Color

Yxy(27.9338, 0.2196, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	5495D0
RGB	84, 149, 208
RGB Percent	33%, 58%, 82%
CMY	0.6707, 0.4156, 0.1844
CMYK	0.60, 0.28, 0.00, 0.18
HSL	209°, 57%, 57%
HSV	209°, 60%, 82%
XYZ	25.7850, 27.9338, 63.6994
YIQ	136.2910, -57.6790, 4.5690

Conversions

Conversions Part 2

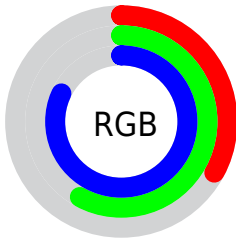
Format	Color
RYP	84, 127, 208
Decimal	5543376
CIELab	59.83, -3.17, -36.53
CIElCh	60, 36.669, 265.040
Yxy	27.9338, 0.2196, 0.2379
Android (android.graphics.Color)	4283733456 (0xFF5495D0)
YUV	136.2910, 35.3525, -45.8592
Hunter-Lab	52.8524, -5.4072, -34.4614

Details

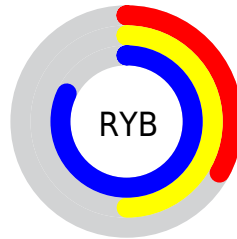
The Yxy color **27.9338, 0.2196, 0.2379** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **33.6770, 0.4455, 0.4009**, and the grayscale version is **24.6142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7715, 0.2425, 0.2666**, and **11.2236, 0.1919, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **24.1154, 0.2064, 0.2194**, and if you desaturate by 10%, it is **32.3048, 0.2342, 0.2560**.

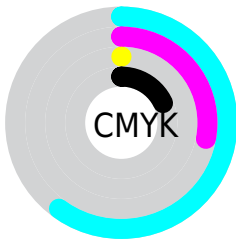
Distribution



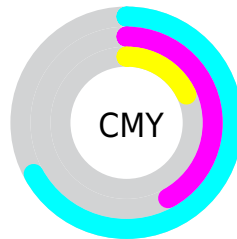
- Red (33%)
- Green (58%)
- Blue (82%)



- Red (33%)
- Yellow (50%)
- Blue (82%)



- Cyan (60%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (42%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9338, 0.2196, 0.2379 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 27.9338, 0.2196, 0.2379 by changing the saturation by 10% instead.

■ 27.9338, 0.2196,
0.2379

■ 27.9338, 0.2196,
0.2379

■ 292.1505, 0.2680,
0.2857

■ 18.2758, 0.2073,
0.2255

■ 56.3787, 0.2375,
0.2557

■ 11.1482, 0.1914,
0.2096

■ 75.9344, 0.2441,
0.2622

■ 6.1666, 0.1705,
0.1883

■ 99.5581, 0.2497,
0.2678

■ 2.9466, 0.1422,
0.1592

■ 127.6342, 0.2544,
0.2724

■ 1.1039, 0.1033,
0.1185

■ 160.5471, 0.2585,
0.2765

■ 0.0000, 0.0000,
0.0000

198.6812, 0.2621,

0.2800

242.4208, 0.2652,
0.2830

■ 27.9338, 0.2196,
0.2379

■ 27.9338, 0.2196,
0.2379

■ 24.1154, 0.2064,
0.2194

■ 32.3048, 0.2342,
0.2560

■ 20.8141, 0.1952,
0.2008

■ 37.2547, 0.2498,
0.2731

■ 17.9931, 0.1862,
0.1827

■ 42.8112, 0.2659,
0.2892

■ 15.5910, 0.1793,
0.1654

■ 48.9990, 0.2820,
0.3040

■ 15.5074, 0.1791,
0.1647

■ 55.8412, 0.2979,
0.3174

■ 63.3597, 0.3133,
0.3294

■ 71.5750, 0.3280,
0.3401

■ 80.5069, 0.3418,
0.3496

■ 86.9797, 0.3435,
0.3590

Harmonies

Analogous

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



27.9338, 0.2047, 0.2629



27.9338, 0.2196, 0.2379



27.9338, 0.2576, 0.2358

Triad

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



27.9338, 0.2196, 0.2379



27.9338, 0.4213, 0.3316



27.9338, 0.3021, 0.4246

Complementary

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



27.9338, 0.2196, 0.2379



33.6770, 0.4455, 0.4009

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.



27.9338, 0.3613, 0.4399



27.9338, 0.2196, 0.2379



27.9338, 0.4335, 0.3783

Square

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



27.9338, 0.2196, 0.2379



27.9338, 0.3757, 0.2877



27.9338, 0.4101, 0.4192



27.9338, 0.2488, 0.3735

Rectangle

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



27.9338, 0.2196, 0.2379



27.9338, 0.2938, 0.2458



27.9338, 0.4101, 0.4192



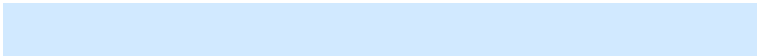
27.9338, 0.3220, 0.4342

Sweetspot

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



27.9348, 0.2196, 0.2379



79.1651, 0.2843, 0.3060



48.9379, 0.2742, 0.4317



16.2943, 0.2796, 0.3018



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.



27.9348, 0.2196, 0.2379



36.4647, 0.2026, 0.2134



13.4331, 0.1988, 0.1441



12.4290, 0.2983, 0.3177



9.8611, 0.1798, 0.1671



0.7097, 0.1887, 0.1992

Inverse Universe

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



21.9142, 0.3961, 0.2508



28.6330, 0.4250, 0.2407



57.1645, 0.3992, 0.4642



11.9103, 0.3210, 0.3169



9.0668, 0.4842, 0.2441



0.5229, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 27.9338, 0.2196, 0.2379 looks on a white background.

Color Contrast Check

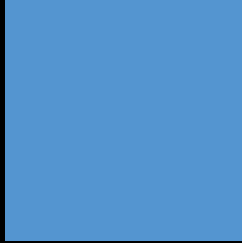
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9338, 0.2196, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

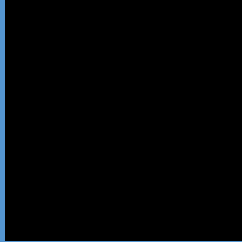
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9338, 0.2196, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 27.9338, 0.2196, 0.2379.

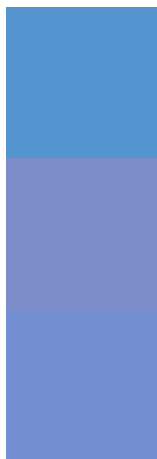


This preview shows how white text looks on a background with the Yxy color 27.9338, 0.2196, 0.2379.

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

27.9338, 0.2196, 0.2379

Protanopia

27.6740, 0.2469, 0.2385

Deuteranopia

27.7121, 0.2355, 0.2290



Tritanopia

27.8348, 0.2348, 0.3059

Trichromacy



Original Color

27.9338, 0.2196, 0.2379

Protanomaly

27.6211, 0.2355, 0.2382

Deuteranomaly

27.7973, 0.2290, 0.2328

Tritanomaly

27.6178, 0.2286, 0.2783

Monochromacy



Original Color

27.9338, 0.2196, 0.2379

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4403, 0.2697, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9338, 0.2196, 0.2379 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(84, 149, 208)` looks like.

```
.text, #text, p{  
    color:rgb(84, 149, 208)  
}
```

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(84, 149, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 149, 208) }
```

Border

The CSS property to change the border of an element to Yxy 27.9338, 0.2196, 0.2379 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(84, 149, 208) }
```

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

```
.border{ border-color:rgb(84, 149, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 149, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 149, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 149, 208);  
box-shadow:4px 4px 4px 4px rgb(84, 149,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9338, 0.2196, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 149, 208) }
```

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

```
.background{ background-color: rgb(84, 149,  
208) }
```

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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