

Converting Colors

$Y_{xy}(27.8624, 0.2137, 0.2136)$

Have a look what the booklet for
Yxy(27.8624, 0.2137, 0.2136)
contains.

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Color

Yxy(27.8063, 0.2138, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	5A91E0
RGB	90, 145, 224
RGB Percent	35%, 57%, 88%
CMY	0.6470, 0.4313, 0.1217
CMYK	0.60, 0.35, 0.00, 0.12
HSL	215°, 68%, 62%
HSV	215°, 60%, 88%
XYZ	27.7933, 27.8063, 74.3971
YIQ	137.5610, -58.1390, 12.9090

Conversions

Conversions Part 2

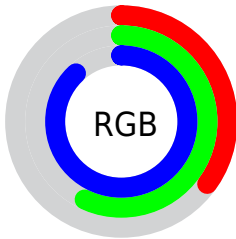
Format	Color
R _Y B	90, 129, 224
Decimal	5935584
CIE Lab	59.71, 5.52, -45.61
CIE LCh	60, 45.948, 276.902
Yxy	27.8063, 0.2138, 0.2139
Android (android.graphics.Color)	4284125664 (0xFF5A91E0)
YUV	137.5610, 42.6144, -41.7110
Hunter-Lab	52.7317, 1.8016, -46.7378

Details

The Yxy color **27.8063, 0.2138, 0.2139** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **44.9474, 0.4346, 0.4177**, and the grayscale version is **25.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5509, 0.2454, 0.2622**, and **11.0567, 0.1847, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **23.0448, 0.1990, 0.1908**, and if you desaturate by 10%, it is **33.3769, 0.2300, 0.2366**.

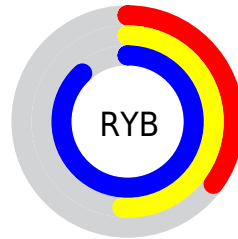
Distribution



Red (35%)

Green (57%)

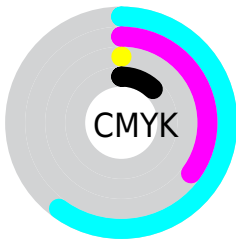
Blue (88%)



Red (35%)

Yellow (51%)

Blue (88%)

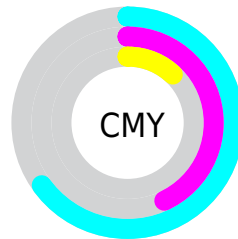


Cyan (60%)

Magenta (35%)

Yellow (0%)

Black (12%)



Cyan (65%)

Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8063, 0.2138, 0.2139 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 27.8063, 0.2138, 0.2139 by changing the saturation by 10% instead.

■ 27.8063, 0.2138,
0.2139

■ 27.8063, 0.2138,
0.2139

■ 291.5402, 0.2650,
0.2724

■ 18.1797, 0.2010,
0.1995

■ 56.1750, 0.2326,
0.2351

■ 11.0791, 0.1846,
0.1815

■ 75.6860, 0.2396,
0.2431

■ 6.1200, 0.1635,
0.1583

■ 99.2605, 0.2455,
0.2499

■ 2.9182, 0.1354,
0.1282

■ 127.2829, 0.2505,
0.2557

■ 1.0892, 0.0982,
0.0893

■ 160.1377, 0.2549,
0.2607

■ 0.0000, 0.0196,
0.0000

■ 198.2093, 0.2587,

■ 0.0000, 0.0000,

0.2651

0.0000

241.8820, 0.2620,
0.2690

■ 27.8063, 0.2138,
0.2139

■ 27.8063, 0.2138,
0.2139

■ 23.0448, 0.1990,
0.1908

■ 33.3769, 0.2300,
0.2366

■ 19.0420, 0.1863,
0.1682

■ 39.7964, 0.2471,
0.2584

■ 15.7448, 0.1763,
0.1469

■ 47.1052, 0.2643,
0.2787


■ 13.0712, 0.1688,
0.1276

■ 55.3395, 0.2812,
0.2974


■ 13.0241, 0.1687,
0.1272

■ 64.5338, 0.2975,
0.3142

 74.7202, 0.3130,
0.3293

 85.9295, 0.3275,
0.3426

 95.3996, 0.3315,
0.3551

 98.1599, 0.3310,
0.3592

Harmonies

Analogous

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



27.8063, 0.1852, 0.2311



27.8063, 0.2138, 0.2139



27.8063, 0.2692, 0.2220

Triad

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



27.8063, 0.2138, 0.2139



27.8063, 0.4604, 0.3517



27.8063, 0.2698, 0.4303

Complementary

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



27.8063, 0.2138, 0.2139



44.9474, 0.4346, 0.4177

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.



27.8063, 0.3419, 0.4688



27.8063, 0.2138, 0.2139



27.8063, 0.4552, 0.4076

Square

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



27.8063, 0.2138, 0.2139



27.8063, 0.4184, 0.2973



27.8063, 0.4099, 0.4540



27.8063, 0.2132, 0.3524

Rectangle

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



27.8063, 0.2138, 0.2139



27.8063, 0.3182, 0.2396



27.8063, 0.4099, 0.4540



27.8063, 0.2930, 0.4492

Sweetspot

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



27.8072, 0.2138, 0.2139



76.2453, 0.2840, 0.3003



58.2995, 0.2661, 0.4088



15.5847, 0.2791, 0.2951



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.



27.8072, 0.2138, 0.2139



29.3713, 0.1953, 0.1846



15.4726, 0.2040, 0.1403



14.1628, 0.2981, 0.3148



7.7973, 0.1695, 0.1300



0.7136, 0.1779, 0.1605

Inverse Universe

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



25.2017, 0.4190, 0.2673



27.9169, 0.4557, 0.2609



68.1470, 0.3883, 0.4735



13.7934, 0.3228, 0.3194



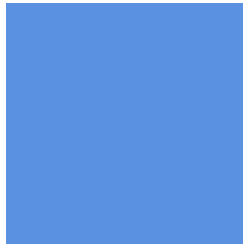
9.6952, 0.5327, 0.2708



0.6895, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 27.8063, 0.2138, 0.2139 looks on a white background.

Color Contrast Check

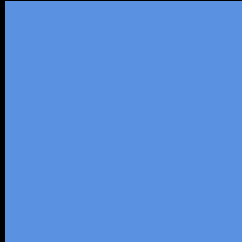
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8063, 0.2138, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

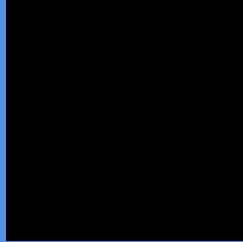
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

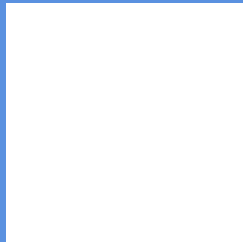
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8063, 0.2138, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 27.8063, 0.2138, 0.2139.

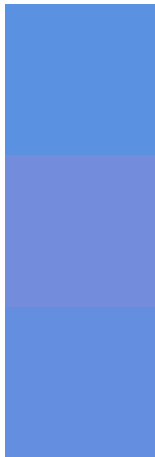


This preview shows how white text looks on a background with the Yxy color 27.8063, 0.2138, 0.2139.

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

27.8063, 0.2138, 0.2139

Protanopia

27.8619, 0.2289, 0.2161

Deuteranopia

27.7361, 0.2184, 0.2123



Tritanopia

27.7653, 0.2339, 0.3059

Trichromacy



Original Color

27.8063, 0.2138, 0.2139

Protanomaly

27.6306, 0.2230, 0.2150

Deuteranomaly

27.8151, 0.2165, 0.2132

Tritanomaly

27.5864, 0.2255, 0.2677

Monochromacy



Original Color

27.8063, 0.2138, 0.2139

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.9793, 0.2676, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8063, 0.2138, 0.2139 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(90, 145, 224)` looks like.

```
.text, #text, p{  
  color:rgb(90, 145, 224)  
}
```

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(90, 145, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 145, 224) }
```

Border

The CSS property to change the border of an element to Yxy 27.8063, 0.2138, 0.2139 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(90, 145, 224) }
```

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

```
.border{ border-color:rgb(90, 145, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 145, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 145, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 145, 224);  
box-shadow:4px 4px 4px 4px rgb(90, 145,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8063, 0.2138, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 145, 224) }
```

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

```
.background{ background-color: rgb(90, 145,  
224) }
```

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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