

Converting Colors

$Yxy(35.9627, 0.2177, 0.2349)$

Have a look what the booklet for
Yxy(35.9627, 0.2177, 0.2349)
contains.

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Color

Yxy(35.9627, 0.2177, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	5DA7EB
RGB	93, 167, 235
RGB Percent	36%, 65%, 92%
CMY	0.6354, 0.3451, 0.0783
CMYK	0.60, 0.29, 0.00, 0.08
HSL	209°, 78%, 64%
HSV	209°, 60%, 92%
XYZ	33.3294, 35.9627, 83.8058
YIQ	152.6260, -65.9320, 5.4600

Conversions

Conversions Part 2

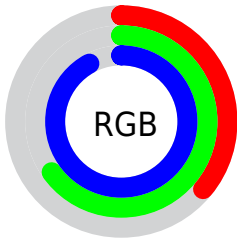
Format	Color
R _Y B	93, 142, 235
Decimal	6137835
CIE Lab	66.49, -2.98, -41.06
CIE LCh	66, 41.170, 265.850
Yxy	35.9627, 0.2177, 0.2349
Android (android.graphics.Color)	4284327915 (0xFF5DA7EB)
YUV	152.6260, 40.6104, -52.2920
Hunter-Lab	59.9689, -5.7392, -40.8788

Details

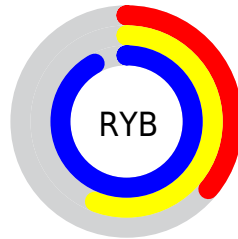
The Yxy color **35.9627, 0.2177, 0.2349** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **43.9489, 0.4487, 0.4025**, and the grayscale version is **31.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2349, 0.2514, 0.2906**, and **15.5549, 0.1918, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **30.9744, 0.2046, 0.2161**, and if you desaturate by 10%, it is **41.6891, 0.2323, 0.2533**.

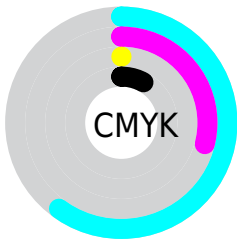
Distribution



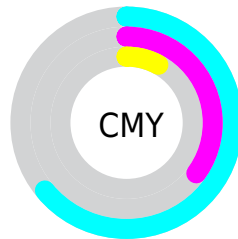
- Red (36%)
- Green (65%)
- Blue (92%)



- Red (36%)
- Yellow (56%)
- Blue (92%)



- Cyan (60%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)



- Cyan (64%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9627, 0.2177, 0.2349 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 35.9627, 0.2177, 0.2349 by changing the saturation by 10% instead.

■ 35.9627, 0.2177,
0.2349

■ 35.9627, 0.2177,
0.2349

■ 328.7975, 0.2650,
0.2822

■ 24.4054, 0.2063,
0.2234

■ 68.9745, 0.2346,
0.2519

■ 15.6346, 0.1920,
0.2089

■ 91.1978, 0.2411,
0.2584

■ 9.2660, 0.1737,
0.1902

■ 117.7451, 0.2466,
0.2639

■ 4.9151, 0.1497,
0.1655

■ 149.0010, 0.2513,
0.2686

■ 2.1975, 0.1179,
0.1323

■ 185.3498, 0.2554,
0.2726

■ 0.7186, 0.0739,
0.0870

■ 227.1759, 0.2590,

■ 0.0000, 0.0000,

0.2762

0.0000

274.8636, 0.2622,
0.2794

■ 35.9627, 0.2177,
0.2349

■ 35.9627, 0.2177,
0.2349

■ 30.9744, 0.2046,
0.2161

■ 41.6891, 0.2323,
0.2533

■ 26.6757, 0.1935,
0.1972

■ 48.1900, 0.2480,
0.2709


■ 23.0155, 0.1848,
0.1790

■ 55.5031, 0.2642,
0.2873

■ 20.0366, 0.1785,
0.1624

■ 63.6621, 0.2805,
0.3024

■ 72.6985, 0.2965,
0.3162

 82.6420, 0.3120,
0.3285

 93.0441, 0.3252,
0.3395

 98.7800, 0.3244,
0.3483

Harmonies

Analogous

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



35.9627, 0.2018, 0.2597



35.9627, 0.2177, 0.2349



35.9627, 0.2573, 0.2335

Triad

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



35.9627, 0.2177, 0.2349



35.9627, 0.4257, 0.3327



35.9627, 0.3000, 0.4269

Complementary

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



35.9627, 0.2177, 0.2349



43.9489, 0.4487, 0.4025

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.



35.9627, 0.3610, 0.4437



35.9627, 0.2177, 0.2349



35.9627, 0.4371, 0.3807

Square

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



35.9627, 0.2177, 0.2349



35.9627, 0.3793, 0.2875



35.9627, 0.4118, 0.4226



35.9627, 0.2455, 0.3732

Rectangle

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



35.9627, 0.2177, 0.2349



35.9627, 0.2948, 0.2441



35.9627, 0.4118, 0.4226



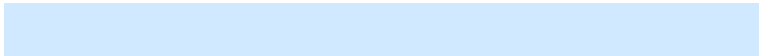
35.9627, 0.3204, 0.4373

Sweetspot

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



35.9640, 0.2177, 0.2349



79.0784, 0.2843, 0.3058



64.2734, 0.2738, 0.4343



16.2732, 0.2796, 0.3016



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.



35.9640, 0.2177, 0.2349



35.6992, 0.2012, 0.2106



17.0070, 0.1963, 0.1400



15.8477, 0.2981, 0.3174



11.4054, 0.1792, 0.1651



1.0882, 0.1860, 0.1894

Inverse Universe

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



28.2819, 0.3994, 0.2501



28.2456, 0.4283, 0.2408



75.2166, 0.4006, 0.4663



15.1852, 0.3211, 0.3168



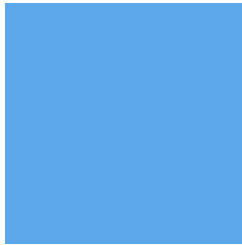
10.6442, 0.4867, 0.2455



0.8553, 0.4574, 0.2294

Previews

White Background



This preview shows how the Yxy color 35.9627, 0.2177, 0.2349 looks on a white background.

Color Contrast Check

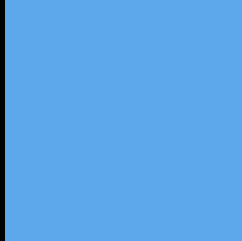
Large Text (above 18pt) WCAG AA × Fail

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 35.9627, 0.2177, 0.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

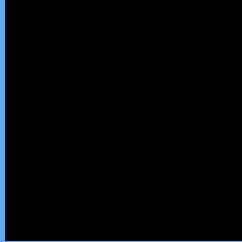
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

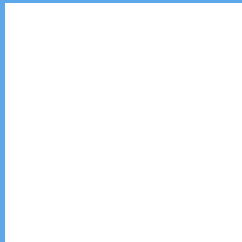
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9627, 0.2177, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 35.9627, 0.2177, 0.2349.



This preview shows how white text looks on a background with the Yxy color 35.9627, 0.2177, 0.2349.

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

35.9627, 0.2177, 0.2349

Protanopia

35.5441, 0.2446, 0.2358

Deuteranopia

35.8452, 0.2331, 0.2273



Tritanopia

36.1461, 0.2332, 0.3066

Trichromacy



Original Color

35.9627, 0.2177, 0.2349

Protanomaly

35.3968, 0.2328, 0.2342

Deuteranomaly

35.8954, 0.2269, 0.2306

Tritanomaly

36.0488, 0.2274, 0.2789

Monochromacy



Original Color

35.9627, 0.2177, 0.2349

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6979, 0.2682, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9627, 0.2177, 0.2349 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(93, 167, 235)` looks like.

```
.text, #text, p{  
    color:rgb(93, 167, 235)  
}
```

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(93, 167, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 167, 235) }
```

Border

The CSS property to change the border of an element to Yxy 35.9627, 0.2177, 0.2349 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(93, 167, 235) }
```

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

```
.border{ border-color:rgb(93, 167, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 167, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 167, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 167, 235);  
box-shadow:4px 4px 4px 4px rgb(93, 167,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9627, 0.2177, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 167, 235) }
```

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

```
.background{ background-color: rgb(93, 167,  
235) }
```

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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