

Converting Colors

$Yxy(35.1026, 0.2138, 0.2428)$

Have a look what the booklet for
Yxy(35.1026, 0.2138, 0.2428)
contains.

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Color

Yxy(35.1026, 0.2138, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	4BA8E4
RGB	75, 168, 228
RGB Percent	29%, 66%, 89%
CMY	0.7059, 0.3412, 0.1058
CMYK	0.67, 0.26, 0.00, 0.11
HSL	204°, 74%, 59%
HSV	204°, 67%, 89%
XYZ	30.9100, 35.1026, 78.5616
YIQ	147.0330, -74.6880, -1.0560

Conversions

Conversions Part 2

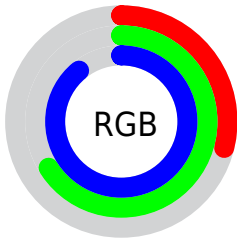
Format	Color
R _Y B	75, 133, 228
Decimal	4958436
CIE Lab	65.83, -8.87, -38.30
CIE LCh	66, 39.312, 256.962
Yxy	35.1026, 0.2138, 0.2428
Android (android.graphics.Color)	4283148516 (0xFF4BA8E4)
YUV	147.0330, 39.9167, -63.1729
Hunter-Lab	59.2474, -10.5579, -37.1448

Details

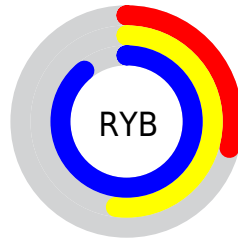
The Yxy color **35.1026, 0.2138, 0.2428** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.3408, 0.4801, 0.3931**, and the grayscale version is **29.0480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3986, 0.2445, 0.2911**, and **15.4693, 0.1943, 0.2196** is the 20% darker color. If you saturate the color by 10%, you get **31.1534, 0.2033, 0.2275**, and if you desaturate by 10%, it is **39.6107, 0.2262, 0.2579**.

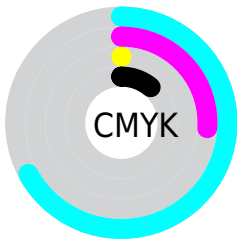
Distribution



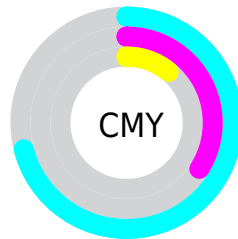
- Red (29%)
- Green (66%)
- Blue (89%)



- Red (29%)
- Yellow (52%)
- Blue (89%)



- Cyan (67%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)




- Cyan (71%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1026, 0.2138, 0.2428 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 35.1026, 0.2138, 0.2428 by changing the saturation by 10% instead.


 35.1026, 0.2138,
0.2428


 35.1026, 0.2138,
0.2428


325.0210, 0.2631,
0.2870

 23.7419, 0.2019,
0.2318


 67.6447, 0.2315,
0.2589

 15.1423, 0.1869,
0.2177


 89.5949, 0.2382,
0.2650

 8.9193, 0.1678,
0.1994


 115.8437, 0.2439,
0.2701

 4.6886, 0.1427,
0.1747

 146.7755, 0.2488,
0.2744

 2.0657, 0.1094,
0.1407

182.7748, 0.2531,
0.2782

 0.6452, 0.0567,
0.0922

224.2258, 0.2568,

 0.0000, 0.0000,

0.2815

0.0000

271.5131, 0.2601,
0.2844

■ 35.1026, 0.2138,
0.2428

■ 35.1026, 0.2138,
0.2428

■ 31.1534, 0.2033,
0.2275

■ 39.6107, 0.2262,
0.2579

■ 27.7179, 0.1949,
0.2122

■ 44.7101, 0.2400,
0.2725

■ 24.7442, 0.1886,
0.1974

■ 50.4342, 0.2549,
0.2864

■ 23.9466, 0.1870,
0.1932

■ 56.8124, 0.2704,
0.2993

■ 63.8717, 0.2861,
0.3112

71.6376, 0.3018,
0.3220

80.1338, 0.3171,
0.3317

88.9210, 0.3303,
0.3404

94.3047, 0.3293,
0.3490

Harmonies

Analogous

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



35.1026, 0.2055, 0.2741



35.1026, 0.2138, 0.2428



35.1026, 0.2457, 0.2348

Triad

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



35.1026, 0.2138, 0.2428



35.1026, 0.4112, 0.3193



35.1026, 0.3182, 0.4320

Complementary

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



35.1026, 0.2138, 0.2428



34.3408, 0.4801, 0.3931

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.



35.1026, 0.3758, 0.4366



35.1026, 0.2138, 0.2428



35.1026, 0.4331, 0.3657

Square

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



35.1026, 0.2138, 0.2428



35.1026, 0.3595, 0.2776



35.1026, 0.4188, 0.4090



35.1026, 0.2620, 0.3892

Rectangle

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



35.1026, 0.2138, 0.2428



35.1026, 0.2786, 0.2413



35.1026, 0.4188, 0.4090



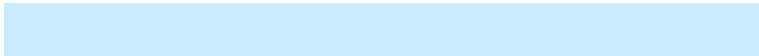
35.1026, 0.3381, 0.4380

Sweetspot

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



35.1038, 0.2138, 0.2428



79.4711, 0.2814, 0.3077



58.7074, 0.2782, 0.4676



16.4564, 0.2769, 0.3044



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.



35.1038, 0.2138, 0.2428



38.1236, 0.1993, 0.2208



14.9017, 0.1876, 0.1344



15.3376, 0.2981, 0.3196



14.0616, 0.1876, 0.1954



1.2187, 0.1936, 0.2170

Inverse Universe

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



24.3573, 0.3942, 0.2309



26.4661, 0.4200, 0.2225



63.1835, 0.4162, 0.4666



14.5144, 0.3198, 0.3148



10.6172, 0.4505, 0.2255



0.8027, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 35.1026, 0.2138, 0.2428 looks on a white background.

Color Contrast Check

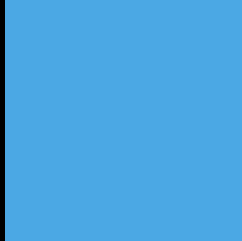
Large Text (above 18pt) WCAG AA × Fail

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 35.1026, 0.2138, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

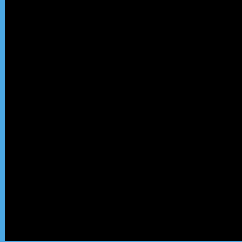
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

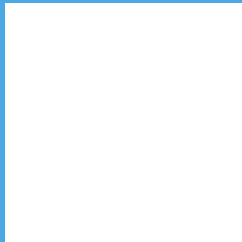
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1026, 0.2138, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 35.1026, 0.2138, 0.2428.

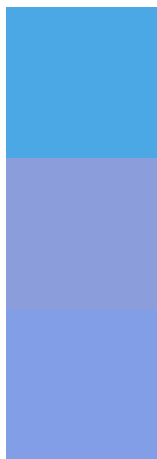


This preview shows how white text looks on a background with the Yxy color 35.1026, 0.2138, 0.2428.

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

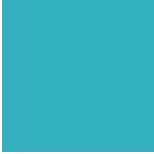
35.1026, 0.2138, 0.2428

Protanopia

34.8039, 0.2506, 0.2445

Deuteranopia

34.9127, 0.2376, 0.2322



Tritanopia

35.0379, 0.2261, 0.3061

Trichromacy



Original Color

35.1026, 0.2138, 0.2428

Protanomaly

34.4767, 0.2339, 0.2434

Deuteranomaly

34.8128, 0.2272, 0.2362

Tritanomaly

34.7775, 0.2210, 0.2806

Monochromacy



Original Color

35.1026, 0.2138, 0.2428

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.6422, 0.2648, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1026, 0.2138, 0.2428 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(75, 168, 228)` looks like.

```
.text, #text, p{  
  color:rgb(75, 168, 228)  
}
```

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(75, 168, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 168, 228) }
```

Border

The CSS property to change the border of an element to Yxy 35.1026, 0.2138, 0.2428 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(75, 168, 228) }
```

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

```
.border{ border-color:rgb(75, 168, 228) }
```

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

Here you see how a box with a 4 pixel rgb(75, 168, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 168, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 168, 228);  
box-shadow:4px 4px 4px 4px rgb(75, 168,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1026, 0.2138, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 168, 228) }
```

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

```
.background{ background-color: rgb(75, 168,  
228) }
```

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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