

Converting Colors

$Y_{xy}(35.1270, 0.2100, 0.2417)$

Have a look what the booklet for
Yxy(35.1270, 0.2100, 0.2417)
contains.

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Color

Yxy(35.1791, 0.2098, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	40A9E6
RGB	64, 169, 230
RGB Percent	25%, 66%, 90%
CMY	0.7486, 0.3373, 0.0981
CMYK	0.72, 0.27, 0.00, 0.10
HSL	202°, 77%, 58%
HSV	202°, 72%, 90%
XYZ	30.5867, 35.1791, 80.0241
YIQ	144.5590, -82.1610, -3.2890

Conversions

Conversions Part 2

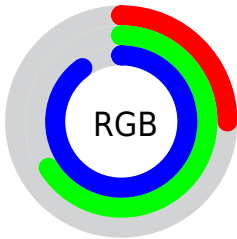
Format	Color
R _Y B	64, 128, 230
Decimal	4237798
CIE Lab	65.89, -10.33, -39.30
CIE LCh	66, 40.637, 255.277
Yxy	35.1791, 0.2098, 0.2413
Android (android.graphics.Color)	4282427878 (0xFF40A9E6)
YUV	144.5590, 42.1224, -70.6502
Hunter-Lab	59.3120, -11.7449, -38.4760

Details

The Yxy color **35.1791, 0.2098, 0.2413** 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 **31.8769, 0.5010, 0.3905**, and the grayscale version is **27.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3566, 0.2416, 0.2920**, and **15.7786, 0.1941, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **31.5159, 0.2007, 0.2270**, and if you desaturate by 10%, it is **39.3659, 0.2209, 0.2555**.

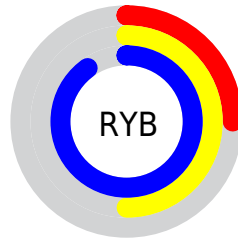
Distribution



Red (25%)

Green (66%)

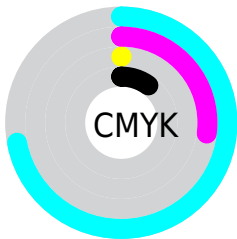
Blue (90%)



Red (25%)

Yellow (50%)

Blue (90%)

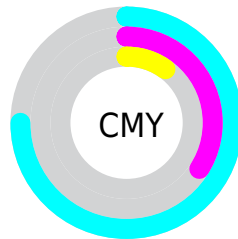


Cyan (72%)

Magenta (27%)

Yellow (0%)

Black (10%)



Cyan (75%)

Magenta (34%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1791, 0.2098, 0.2413 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 35.1791, 0.2098, 0.2413 by changing the saturation by 10% instead.

■ 35.1791, 0.2098,
0.2413

■ 35.1791, 0.2098,
0.2413

■ 325.3582, 0.2609,
0.2863

■ 23.8009, 0.1975,
0.2301

■ 67.7631, 0.2281,
0.2577

■ 15.1860, 0.1822,
0.2158

■ 89.7377, 0.2350,
0.2639

■ 8.9500, 0.1626,
0.1972

■ 116.0132, 0.2409,
0.2691

■ 4.7086, 0.1372,
0.1722

■ 146.9740, 0.2460,
0.2735

■ 2.0773, 0.1038,
0.1381

■ 183.0045, 0.2505,
0.2773

■ 0.6518, 0.0507,
0.0900

■ 224.4891, 0.2544,

■ 0.0000, 0.0000,

0.2807

0.0000

271.8122, 0.2578,
0.2836

■ 35.1791, 0.2098,
0.2413

■ 35.1791, 0.2098,
0.2413

■ 31.5159, 0.2007,
0.2270

■ 39.3659, 0.2209,
0.2555

■ 28.3271, 0.1937,
0.2129

■ 44.1111, 0.2337,
0.2694

■ 26.0962, 0.1895,
0.2020

■ 49.4500, 0.2478,
0.2827

■ 55.4129, 0.2628,
0.2953

■ 62.0280, 0.2783,
0.3069

■ 69.3211, 0.2939,
0.3175

■ 77.3168, 0.3095,
0.3271

■ 86.0378, 0.3246,
0.3357

■ 92.3286, 0.3284,
0.3438

Harmonies

Analogous

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



35.1791, 0.2026, 0.2747



35.1791, 0.2098, 0.2413



35.1791, 0.2412, 0.2320

Triad

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



35.1791, 0.2098, 0.2413



35.1791, 0.4121, 0.3162



35.1791, 0.3216, 0.4371

Complementary

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



35.1791, 0.2098, 0.2413



31.8769, 0.5010, 0.3905

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.



35.1791, 0.3806, 0.4392



35.1791, 0.2098, 0.2413



35.1791, 0.4368, 0.3638

Square

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



35.1791, 0.2098, 0.2413



35.1791, 0.3574, 0.2739



35.1791, 0.4238, 0.4089



35.1791, 0.2632, 0.3946

Rectangle

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



35.1791, 0.2098, 0.2413



35.1791, 0.2743, 0.2379



35.1791, 0.4238, 0.4089



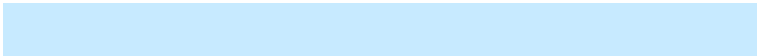
35.1791, 0.3420, 0.4423

Sweetspot

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



35.1803, 0.2098, 0.2413



78.4091, 0.2783, 0.3069



59.1531, 0.2790, 0.4838



16.2768, 0.2740, 0.3038



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.



35.1803, 0.2098, 0.2413



37.6043, 0.1967, 0.2194



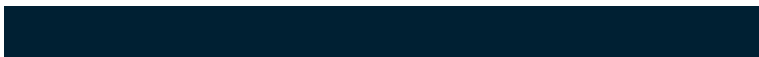
13.4948, 0.1801, 0.1231



15.3989, 0.2981, 0.3202



15.0184, 0.1901, 0.2042



1.2857, 0.1957, 0.2245

Inverse Universe

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



23.3614, 0.3971, 0.2228



25.3905, 0.4226, 0.2173



62.2342, 0.4241, 0.4706



14.5206, 0.3194, 0.3142



10.7138, 0.4405, 0.2200



0.8095, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 35.1791, 0.2098, 0.2413 looks on a white background.

Color Contrast Check

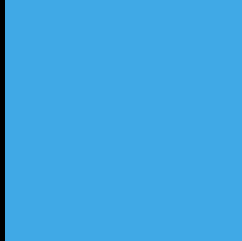
Large Text (above 18pt) WCAG AA × Fail

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 35.1791, 0.2098, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

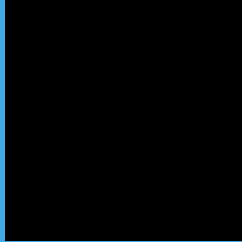
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

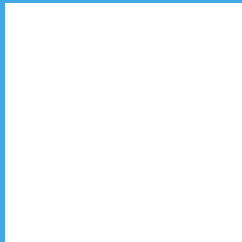
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1791, 0.2098, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 35.1791, 0.2098, 0.2413.

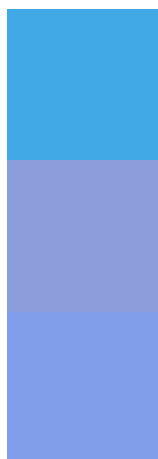


This preview shows how white text looks on a background with the Yxy color 35.1791, 0.2098, 0.2413.

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

35.1791, 0.2098, 0.2413

Protanopia

34.8567, 0.2499, 0.2434

Deuteranopia

34.9261, 0.2347, 0.2287



Tritanopia

35.0735, 0.2207, 0.3044

Trichromacy



Original Color

35.1791, 0.2098, 0.2413

Protanomaly

34.3163, 0.2306, 0.2406

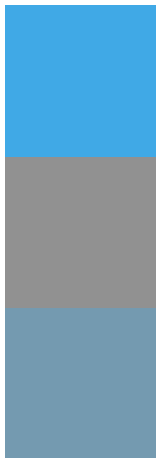
Deuteranomaly

34.6701, 0.2232, 0.2323

Tritanomaly

34.7872, 0.2158, 0.2788

Monochromacy



Original Color

35.1791, 0.2098, 0.2413

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.9588, 0.2607, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1791, 0.2098, 0.2413 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(64, 169, 230)` looks like.

```
.text, #text, p{  
    color:rgb(64, 169, 230)  
}
```

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(64, 169, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 169, 230) }
```

Border

The CSS property to change the border of an element to Yxy 35.1791, 0.2098, 0.2413 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(64, 169, 230) }
```

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

```
.border{ border-color:rgb(64, 169, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 169, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 169, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 169, 230);  
box-shadow:4px 4px 4px 4px rgb(64, 169,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1791, 0.2098, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 169, 230) }
```

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

```
.background{ background-color: rgb(64, 169,  
230) }
```

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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