

Converting Colors

$Y_{xy}(41.2658, 0.2137, 0.2357)$

Have a look what the booklet for
Yxy(41.2658, 0.2137, 0.2357)
contains.

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Color

Yxy(41.2170, 0.2137, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	58B3FA
RGB	88, 179, 250
RGB Percent	35%, 70%, 98%
CMY	0.6545, 0.2980, 0.0197
CMYK	0.65, 0.28, 0.00, 0.02
HSL	206°, 94%, 66%
HSV	206°, 65%, 98%
XYZ	37.4016, 41.2170, 96.4005
YIQ	159.8850, -77.0270, 2.7890

Conversions

Conversions Part 2

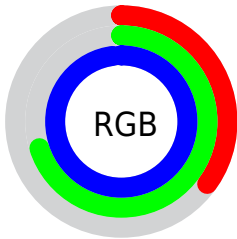
Format	Color
R _Y B	88, 146, 250
Decimal	5813242
CIE Lab	70.33, -5.70, -43.20
CIE LCh	70, 43.579, 262.480
Yxy	41.2170, 0.2137, 0.2355
Android (android.graphics.Color)	4284003322 (0xFF58B3FA)
YUV	159.8850, 44.4267, -63.0431
Hunter-Lab	64.2005, -8.3612, -44.0869

Details

The Yxy color **41.2170, 0.2137, 0.2355** 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 **45.8419, 0.4672, 0.3996**, and the grayscale version is **34.9269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2160, 0.2529, 0.3060**, and **19.0290, 0.1924, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **35.9793, 0.2020, 0.2182**, and if you desaturate by 10%, it is **47.2248, 0.2272, 0.2525**.

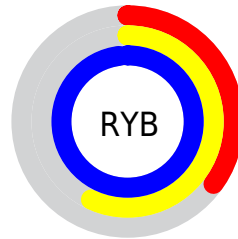
Distribution



Red (35%)

Green (70%)

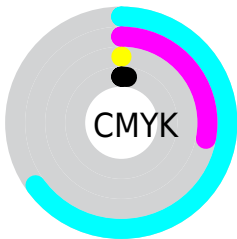
Blue (98%)



Red (35%)

Yellow (57%)

Blue (98%)

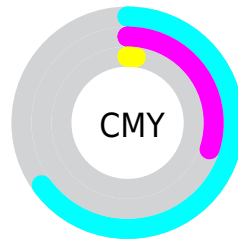


Cyan (65%)

Magenta (28%)

Yellow (0%)

Black (2%)



Cyan (65%)

Magenta (30%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2170, 0.2137, 0.2355 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 41.2170, 0.2137, 0.2355 by changing the saturation by 10% instead.

41.2170, 0.2137,
0.2355

41.2170, 0.2137,
0.2355

351.2267, 0.2617,
0.2816

28.4887, 0.2025,
0.2245

77.0132, 0.2306,
0.2519

18.6944, 0.1887,
0.2109

100.8499, 0.2371,
0.2582

11.4496, 0.1712,
0.1934

129.1581, 0.2427,
0.2635

6.3701, 0.1488,
0.1708

162.3223, 0.2475,
0.2681

3.0714, 0.1197,
0.1408

200.7269, 0.2517,
0.2722

1.1691, 0.0822,
0.1009

244.7562, 0.2554,

0.0363, 0.0000,

0.2757

0.0073

294.7947, 0.2587,
0.2788

■ 0.0000, 0.0000,
0.0000

■ 41.2170, 0.2137,
0.2355

■ 41.2170, 0.2137,
0.2355

■ 35.9793, 0.2020,
0.2182

■ 47.2248, 0.2272,
0.2525

■ 31.4547, 0.1925,
0.2010

■ 54.0447, 0.2419,
0.2690

■ 27.5811, 0.1853,
0.1844

■ 61.7198, 0.2575,
0.2844

■ 25.7665, 0.1822,
0.1760

■ 70.2883, 0.2736,
0.2988

■ 79.7857, 0.2896,
0.3119

■ 90.2452, 0.3054,
0.3238

■ 99.6802, 0.3156,
0.3338

Harmonies

Analogous

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



41.2170, 0.2004, 0.2633



41.2170, 0.2137, 0.2355



41.2170, 0.2511, 0.2316

Triad

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



41.2170, 0.2137, 0.2355



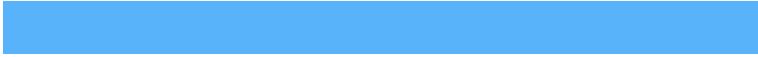
41.2170, 0.4233, 0.3272



41.2170, 0.3067, 0.4322

Complementary

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



41.2170, 0.2137, 0.2355



45.8419, 0.4672, 0.3996

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.



41.2170, 0.3680, 0.4442



41.2170, 0.2137, 0.2355



41.2170, 0.4391, 0.3757

Square

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



41.2170, 0.2137, 0.2355



41.2170, 0.3733, 0.2825



41.2170, 0.4173, 0.4194



41.2170, 0.2501, 0.3810

Rectangle

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



41.2170, 0.2137, 0.2355



41.2170, 0.2877, 0.2409



41.2170, 0.4173, 0.4194



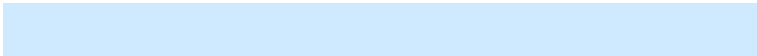
41.2170, 0.3274, 0.4411

Sweetspot

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



41.2184, 0.2137, 0.2355



79.1288, 0.2828, 0.3065



72.9079, 0.2749, 0.4515



16.3320, 0.2782, 0.3027



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.



41.2184, 0.2137, 0.2355



35.9941, 0.1986, 0.2124



17.8807, 0.1890, 0.1314



18.2603, 0.2980, 0.3183



13.9628, 0.1830, 0.1786



1.5043, 0.1884, 0.1981

Inverse Universe

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



30.5671, 0.4005, 0.2398



26.9177, 0.4280, 0.2318



82.8611, 0.4087, 0.4697



17.3885, 0.3206, 0.3158



11.8205, 0.4702, 0.2364



1.1161, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 41.2170, 0.2137, 0.2355 looks on a white background.

Color Contrast Check

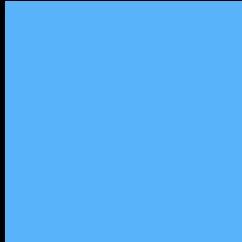
Large Text (above 18pt) WCAG AA × Fail

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 41.2170, 0.2137, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

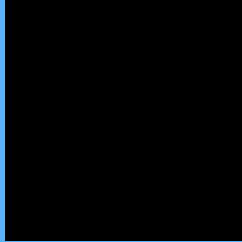
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

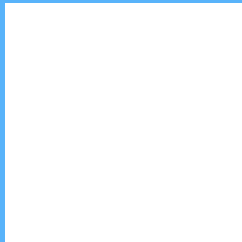
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2170, 0.2137, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 41.2170, 0.2137, 0.2355.



This preview shows how white text looks on a background with the Yxy color 41.2170, 0.2137, 0.2355.

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

41.2170, 0.2137, 0.2355

Protanopia

40.6520, 0.2453, 0.2369

Deuteranopia

41.0120, 0.2327, 0.2267



Tritanopia

41.3024, 0.2279, 0.3062

Trichromacy



Original Color

41.2170, 0.2137, 0.2355

Protanomaly

40.4723, 0.2314, 0.2360

Deuteranomaly

40.7741, 0.2248, 0.2294

Tritanomaly

41.2048, 0.2221, 0.2784

Monochromacy



Original Color

41.2170, 0.2137, 0.2355

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5560, 0.2650, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2170, 0.2137, 0.2355 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(88, 179, 250)` looks like.

```
.text, #text, p{  
    color:rgb(88, 179, 250)  
}
```

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(88, 179, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 179, 250) }
```

Border

The CSS property to change the border of an element to Yxy 41.2170, 0.2137, 0.2355 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(88, 179, 250) }
```

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

```
.border{ border-color:rgb(88, 179, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 179, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 179, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 179, 250);  
box-shadow:4px 4px 4px 4px rgb(88, 179,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2170, 0.2137, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 179, 250) }
```

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

```
.background{ background-color: rgb(88, 179,  
250) }
```

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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