

Converting Colors

$Y_{xy}(41.2705, 0.2122, 0.2580)$

Have a look what the booklet for
Yxy(41.2705, 0.2122, 0.2580)
contains.

Yxy(41.2089, 0.2122, 0.2577)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.2089, 0.2122, 0.2577)

Conversions

Conversions Part 1

Format	Color
Hex	3BB8EB
RGB	59, 184, 235
RGB Percent	23%, 72%, 92%
CMY	0.7692, 0.2784, 0.0784
CMYK	0.75, 0.22, 0.00, 0.08
HSL	197°, 82%, 58%
HSV	197°, 75%, 92%
XYZ	33.9330, 41.2089, 84.7685
YIQ	152.4390, -90.8710, -10.6390

Conversions

Conversions Part 2

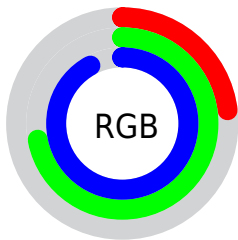
Format	Color
R _Y B	59, 132, 235
Decimal	3913963
CIE Lab	70.32, -17.38, -35.16
CIE LCh	70, 39.216, 243.700
Yxy	41.2089, 0.2122, 0.2577
Android (android.graphics.Color)	4282104043 (0xFF3BB8EB)
YUV	152.4390, 40.7026, -81.9460
Hunter-Lab	64.1942, -17.9848, -33.3566

Details

The Yxy color **41.2089, 0.2122, 0.2577** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **29.0952, 0.5254, 0.3764**, and the grayscale version is **31.4318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2073, 0.2445, 0.3114**, and **19.4873, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **37.8896, 0.2048, 0.2467**, and if you desaturate by 10%, it is **44.9896, 0.2216, 0.2687**.

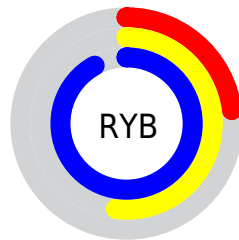
Distribution



Red (23%)

Green (72%)

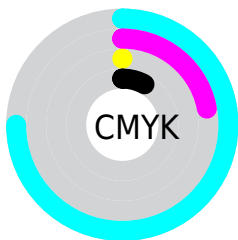
Blue (92%)



Red (23%)

Yellow (52%)

Blue (92%)

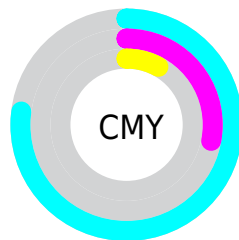


Cyan (75%)

Magenta (22%)

Yellow (0%)

Black (8%)



Cyan (77%)


Magenta (28%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2089, 0.2122, 0.2577 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 41.2089, 0.2122, 0.2577 by changing the saturation by 10% instead.


 41.2089, 0.2122,
0.2577

 41.2089, 0.2122,
0.2577

351.1930, 0.2609,
0.2942


 28.4824, 0.2008,
0.2486


 77.0009, 0.2294,
0.2710

 18.6896, 0.1866,
0.2369


 100.8352, 0.2360,
0.2760

 11.4462, 0.1686,
0.2216


 129.1408, 0.2417,
0.2803

 6.3678, 0.1454,
0.2010

 162.3021, 0.2466,
0.2839

 3.0700, 0.1149,
0.1720

200.7036, 0.2508,
0.2870

 1.1684, 0.0740,
0.1307

244.7297, 0.2546,

 0.0357, 0.0000,

0.2897

0.0102

294.7646, 0.2579,
0.2921

0.0000, 0.0000,
0.0000

41.2089, 0.2122,
0.2577

41.2089, 0.2122,
0.2577

37.8896, 0.2048,
0.2467

44.9896, 0.2216,
0.2687

34.9782, 0.1995,
0.2357

49.2678, 0.2328,
0.2795

33.6285, 0.1973,
0.2303

54.0798, 0.2456,
0.2900

59.4568, 0.2595,
0.2999

65.4270, 0.2743,
0.3091

■ 72.0166, 0.2896,
0.3177

■ 79.2499, 0.3051,
0.3254

■ 87.1497, 0.3204,
0.3324

■ 92.7087, 0.3253,
0.3390

Harmonies

Analogous

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



41.2089, 0.2147, 0.2975



41.2089, 0.2122, 0.2577



41.2089, 0.2330, 0.2402

Triad

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



41.2089, 0.2122, 0.2577



41.2089, 0.3868, 0.3015



41.2089, 0.3432, 0.4326

Complementary

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



41.2089, 0.2122, 0.2577



29.0952, 0.5254, 0.3764

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.



41.2089, 0.3934, 0.4224



41.2089, 0.2122, 0.2577



41.2089, 0.4216, 0.3447

Square

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



41.2089, 0.2122, 0.2577



41.2089, 0.3312, 0.2658



41.2089, 0.4233, 0.3883



41.2089, 0.2873, 0.4072

Rectangle

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



41.2089, 0.2122, 0.2577



41.2089, 0.2588, 0.2405



41.2089, 0.4233, 0.3883



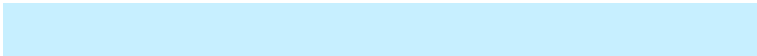
41.2089, 0.3613, 0.4328

Sweetspot

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



41.2103, 0.2122, 0.2577



80.9412, 0.2786, 0.3116



61.4455, 0.2851, 0.5114



16.8778, 0.2745, 0.3092



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.



41.2103, 0.2122, 0.2577



43.6415, 0.2017, 0.2407



15.4757, 0.1800, 0.1322



16.3424, 0.2981, 0.3220



18.9442, 0.1978, 0.2320



1.6515, 0.2020, 0.2471

Inverse Universe

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



24.2369, 0.3821, 0.2082



25.6321, 0.4010, 0.2026



57.8376, 0.4391, 0.4620



15.2351, 0.3182, 0.3124



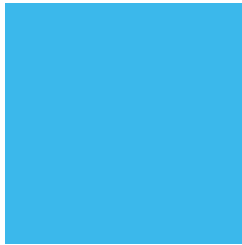
11.4052, 0.4105, 0.2035



0.9121, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 41.2089, 0.2122, 0.2577 looks on a white background.

Color Contrast Check

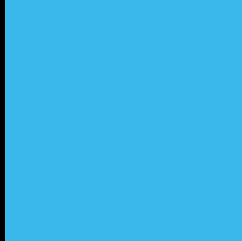
Large Text (above 18pt) WCAG AA × Fail

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 41.2089, 0.2122, 0.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

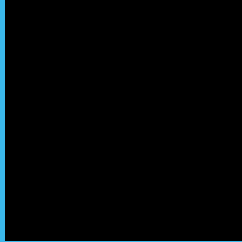
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

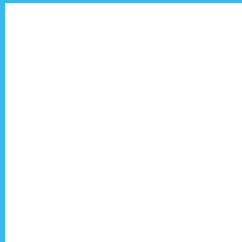
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2089, 0.2122, 0.2577

Background



This preview shows how black text looks on a background with the Yxy color 41.2089, 0.2122, 0.2577.



This preview shows how white text looks on a background with the Yxy color 41.2089, 0.2122, 0.2577.

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

41.2089, 0.2122, 0.2577

Protanopia

40.7716, 0.2617, 0.2589

Deuteranopia

40.8110, 0.2460, 0.2401



Tritanopia

41.0498, 0.2202, 0.3044

Trichromacy



Original Color

41.2089, 0.2122, 0.2577

Protanomaly

39.8831, 0.2377, 0.2570

Deuteranomaly

40.0900, 0.2290, 0.2439

Tritanomaly

40.9299, 0.2165, 0.2859

Monochromacy



Original Color

41.2089, 0.2122, 0.2577

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.7799, 0.2601, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2089, 0.2122, 0.2577 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(59, 184, 235)` looks like.

```
.text, #text, p{  
  color:rgb(59, 184, 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(59, 184, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 184, 235) }
```

Border

The CSS property to change the border of an element to Yxy 41.2089, 0.2122, 0.2577 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(59, 184, 235) }
```

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

```
.border{ border-color:rgb(59, 184, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 184, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 184, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 184, 235);  
box-shadow:4px 4px 4px 4px rgb(59, 184,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2089, 0.2122, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 184, 235) }
```

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

```
.background{ background-color: rgb(59, 184,  
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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