

Converting Colors

$Y_{xy}(38.7495, 0.2125, 0.2334)$

Have a look what the booklet for
Yxy(38.7495, 0.2125, 0.2334)
contains.

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Color

Yxy(38.7495, 0.2125, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	54AEF5
RGB	84, 174, 245
RGB Percent	33%, 68%, 96%
CMY	0.6701, 0.3177, 0.0393
CMYK	0.66, 0.29, 0.00, 0.04
HSL	206°, 89%, 65%
HSV	206°, 66%, 96%
XYZ	35.2796, 38.7495, 91.9927
YIQ	155.1840, -76.4310, 3.0010

Conversions

Conversions Part 2

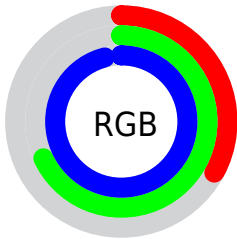
Format	Color
R _Y B	84, 142, 245
Decimal	5549813
CIE Lab	68.57, -5.19, -43.26
CIE LCh	69, 43.573, 263.160
Yxy	38.7495, 0.2125, 0.2334
Android (android.graphics.Color)	4283739893 (0xFF54AEF5)
YUV	155.1840, 44.2793, -62.4284
Hunter-Lab	62.2491, -7.7711, -44.0453

Details

The Yxy color **38.7495, 0.2125, 0.2334** 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 **43.5359, 0.4693, 0.4006**, and the grayscale version is **32.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5545, 0.2504, 0.2988**, and **17.5499, 0.1916, 0.2097** is the 20% darker color. If you saturate the color by 10%, you get **33.7984, 0.2010, 0.2160**, and if you desaturate by 10%, it is **44.4348, 0.2258, 0.2506**.

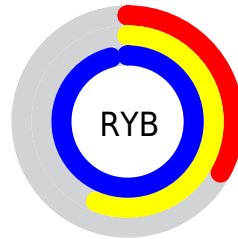
Distribution



Red (33%)

Green (68%)

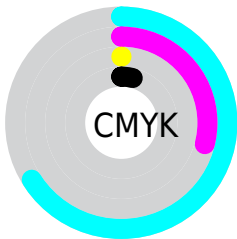
Blue (96%)



Red (33%)

Yellow (56%)

Blue (96%)

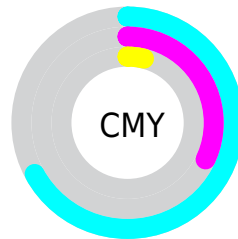


Cyan (66%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (67%)


Magenta (32%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7495, 0.2125, 0.2334 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 38.7495, 0.2125, 0.2334 by changing the saturation by 10% instead.


 38.7495, 0.2125,
0.2334

 38.7495, 0.2125,
0.2334


340.8243, 0.2615,
0.2809


 26.5649, 0.2009,
0.2220


 73.2555, 0.2299,
0.2504

 17.2467, 0.1866,
0.2077


 96.3457, 0.2365,
0.2569

 10.4106, 0.1685,
0.1895


 123.8398, 0.2422,
0.2624

 5.6720, 0.1451,
0.1658

 156.1224, 0.2471,
0.2671

 2.6467, 0.1147,
0.1342

193.5777, 0.2514,
0.2712

 0.9502, 0.0755,
0.0925

236.5902, 0.2552,

 0.0000, 0.0000,

0.2749

0.0000

285.5443, 0.2585,
0.2781

■ 38.7495, 0.2125,
0.2334

■ 38.7495, 0.2125,
0.2334

■ 33.7984, 0.2010,
0.2160

■ 44.4348, 0.2258,
0.2506

■ 29.5265, 0.1916,
0.1987

■ 50.8951, 0.2405,
0.2672

■ 25.8735, 0.1845,
0.1821

■ 58.1718, 0.2561,
0.2828

■ 24.4428, 0.1820,
0.1751

■ 66.3016, 0.2721,
0.2974

■ 75.3187, 0.2882,
0.3107

■ 85.2550, 0.3040,
0.3227

■ 96.0229, 0.3189,
0.3335

■ 99.3716, 0.3185,
0.3386

Harmonies

Analogous

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



38.7495, 0.1984, 0.2609



38.7495, 0.2125, 0.2334



38.7495, 0.2510, 0.2301

Triad

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



38.7495, 0.2125, 0.2334



38.7495, 0.4264, 0.3281



38.7495, 0.3050, 0.4338

Complementary

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



38.7495, 0.2125, 0.2334



43.5359, 0.4693, 0.4006

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.



38.7495, 0.3676, 0.4468



38.7495, 0.2125, 0.2334



38.7495, 0.4415, 0.3774

Square

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



38.7495, 0.2125, 0.2334



38.7495, 0.3759, 0.2825



38.7495, 0.4183, 0.4219



38.7495, 0.2476, 0.3806

Rectangle

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



38.7495, 0.2125, 0.2334



38.7495, 0.2885, 0.2398



38.7495, 0.4183, 0.4219



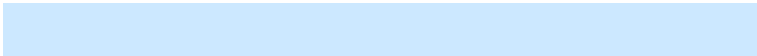
38.7495, 0.3261, 0.4431

Sweetspot

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



38.7508, 0.2125, 0.2334



78.0473, 0.2812, 0.3050



69.5136, 0.2748, 0.4533



16.1147, 0.2767, 0.3012



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.



38.7508, 0.2125, 0.2334



35.2966, 0.1974, 0.2099



16.6406, 0.1875, 0.1288



17.4624, 0.2980, 0.3183



13.4505, 0.1827, 0.1777



1.3868, 0.1884, 0.1983

Inverse Universe

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



28.8262, 0.4028, 0.2395



26.6131, 0.4310, 0.2320



79.0459, 0.4096, 0.4709



16.6376, 0.3206, 0.3159



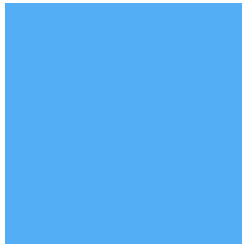
11.4572, 0.4713, 0.2370



1.0276, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 38.7495, 0.2125, 0.2334 looks on a white background.

Color Contrast Check

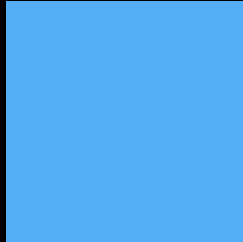
Large Text (above 18pt) WCAG AA × Fail

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 38.7495, 0.2125, 0.2334 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

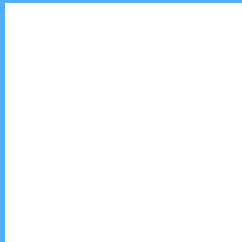
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7495, 0.2125, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 38.7495, 0.2125, 0.2334.



This preview shows how white text looks on a background with the Yxy color 38.7495, 0.2125, 0.2334.

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

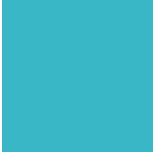
38.7495, 0.2125, 0.2334

Protanopia

38.5050, 0.2435, 0.2350

Deuteranopia

38.3715, 0.2305, 0.2242



Tritanopia

38.8140, 0.2268, 0.3056

Trichromacy



Original Color

38.7495, 0.2125, 0.2334

Protanomaly

38.4341, 0.2301, 0.2343

Deuteranomaly

38.1698, 0.2226, 0.2269

Tritanomaly

38.7421, 0.2211, 0.2772

Monochromacy



Original Color

38.7495, 0.2125, 0.2334

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1386, 0.2638, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7495, 0.2125, 0.2334 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(84, 174, 245)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 245)  
}
```

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(84, 174, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 245) }
```

Border

The CSS property to change the border of an element to Yxy 38.7495, 0.2125, 0.2334 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(84, 174, 245) }
```

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

```
.border{ border-color:rgb(84, 174, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 174, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 245);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7495, 0.2125, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 245) }
```

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

```
.background{ background-color: rgb(84, 174,  
245) }
```

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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