

Converting Colors

$Y_{xy}(38.2879, 0.2172, 0.2346)$

Have a look what the booklet for
Yxy(38.2879, 0.2172, 0.2346)
contains.

Yxy(38.3487, 0.2173, 0.2347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3487, 0.2173, 0.2347)

Conversions

Conversions Part 1

Format	Color
Hex	5FACF2
RGB	95, 172, 242
RGB Percent	37%, 67%, 95%
CMY	0.6271, 0.3255, 0.0510
CMYK	0.61, 0.29, 0.00, 0.05
HSL	209°, 85%, 66%
HSV	209°, 61%, 95%
XYZ	35.5056, 38.3487, 89.5402
YIQ	156.9570, -68.3620, 5.4460

Conversions

Conversions Part 2

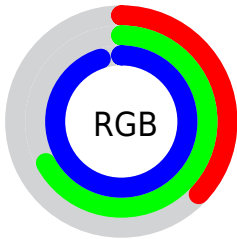
Format	Color
R _Y B	95, 146, 242
Decimal	6270194
CIE Lab	68.28, -3.16, -42.07
CIE LCh	68, 42.191, 265.701
Yxy	38.3487, 0.2173, 0.2347
Android (android.graphics.Color)	4284460274 (0xFF5FACF2)
YUV	156.9570, 41.9262, -54.3363
Hunter-Lab	61.9263, -6.0276, -42.3799

Details

The Yxy color **38.3487, 0.2173, 0.2347** 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 **46.6539, 0.4500, 0.4025**, and the grayscale version is **33.5372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2261, 0.2539, 0.2967**, and **17.0233, 0.1920, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **33.0468, 0.2043, 0.2159**, and if you desaturate by 10%, it is **44.4368, 0.2319, 0.2531**.

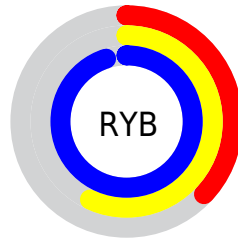
Distribution



Red (37%)

Green (67%)

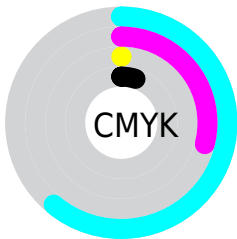
Blue (95%)



Red (37%)

Yellow (57%)

Blue (95%)

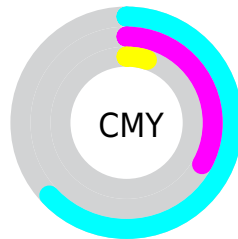


Cyan (61%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (63%)


Magenta (33%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3487, 0.2173, 0.2347 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 38.3487, 0.2173, 0.2347 by changing the saturation by 10% instead.


 38.3487, 0.2173,
0.2347


 38.3487, 0.2173,
0.2347


339.1134, 0.2642,
0.2816


 26.2534, 0.2061,
0.2234


 72.6423, 0.2340,
0.2515


 17.0133, 0.1922,
0.2093


 95.6094, 0.2404,
0.2579

 10.2440, 0.1745,
0.1912


 122.9693, 0.2458,
0.2633

 5.5610, 0.1515,
0.1676

 155.1062, 0.2505,
0.2680

 2.5800, 0.1211,
0.1360

192.4048, 0.2546,
0.2720

 0.9166, 0.0814,
0.0940

235.2492, 0.2582,

 0.0000, 0.0000,

0.2756

0.0000

284.0240, 0.2614,
0.2787

■ 38.3487, 0.2173,
0.2347

■ 38.3487, 0.2173,
0.2347

■ 33.0468, 0.2043,
0.2159

■ 44.4368, 0.2319,
0.2531

■ 28.4789, 0.1933,
0.1972

■ 51.3500, 0.2475,
0.2706


■ 24.5899, 0.1847,
0.1790

■ 59.1290, 0.2637,
0.2870


■ 21.5064, 0.1786,
0.1629

■ 67.8098, 0.2800,
0.3021

■ 77.4262, 0.2961,
0.3159

 88.0100, 0.3116,
0.3282

 97.7466, 0.3204,
0.3393

 99.1913, 0.3203,
0.3415

Harmonies

Analogous

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



38.3487, 0.2014, 0.2597



38.3487, 0.2173, 0.2347



38.3487, 0.2569, 0.2332

Triad

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



38.3487, 0.2173, 0.2347



38.3487, 0.4259, 0.3324



38.3487, 0.3002, 0.4275

Complementary

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



38.3487, 0.2173, 0.2347



46.6539, 0.4500, 0.4025

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.



38.3487, 0.3614, 0.4440



38.3487, 0.2173, 0.2347



38.3487, 0.4375, 0.3805

Square

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



38.3487, 0.2173, 0.2347



38.3487, 0.3792, 0.2872



38.3487, 0.4123, 0.4227



38.3487, 0.2455, 0.3737

Rectangle

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



38.3487, 0.2173, 0.2347



38.3487, 0.2944, 0.2438



38.3487, 0.4123, 0.4227



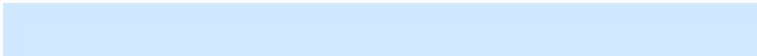
38.3487, 0.3207, 0.4378

Sweetspot

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



38.3500, 0.2173, 0.2347



79.1390, 0.2843, 0.3059



68.6139, 0.2736, 0.4351



16.2880, 0.2796, 0.3018



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.



38.3500, 0.2173, 0.2347



35.8569, 0.2013, 0.2112



17.9599, 0.1956, 0.1388



16.5980, 0.2980, 0.3175



11.8285, 0.1794, 0.1657



1.1832, 0.1858, 0.1887

Inverse Universe

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



30.0566, 0.3997, 0.2494



28.2616, 0.4276, 0.2404



80.3385, 0.4011, 0.4669



15.8971, 0.3211, 0.3167



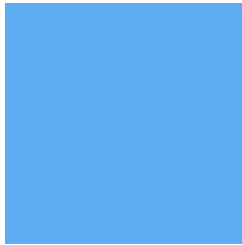
10.9874, 0.4859, 0.2450



0.9342, 0.4582, 0.2298

Previews

White Background



This preview shows how the Yxy color 38.3487, 0.2173, 0.2347 looks on a white background.

Color Contrast Check

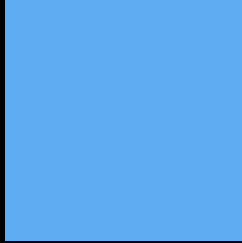
Large Text (above 18pt) WCAG AA × Fail

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 38.3487, 0.2173, 0.2347 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

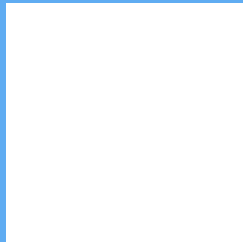
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3487, 0.2173, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 38.3487, 0.2173, 0.2347.



This preview shows how white text looks on a background with the Yxy color 38.3487, 0.2173, 0.2347.

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

38.3487, 0.2173, 0.2347

Protanopia

38.0322, 0.2444, 0.2358

Deuteranopia

37.9881, 0.2329, 0.2262



Tritanopia

38.4437, 0.2333, 0.3072

Trichromacy



Original Color

38.3487, 0.2173, 0.2347

Protanomaly

37.8811, 0.2329, 0.2342

Deuteranomaly

38.0304, 0.2268, 0.2294

Tritanomaly

38.3881, 0.2272, 0.2787

Monochromacy



Original Color

38.3487, 0.2173, 0.2347

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5398, 0.2676, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3487, 0.2173, 0.2347 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(95, 172, 242)` looks like.

```
.text, #text, p{  
    color:rgb(95, 172, 242)  
}
```

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(95, 172, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 172, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.3487, 0.2173, 0.2347 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(95, 172, 242) }
```

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

```
.border{ border-color:rgb(95, 172, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 172, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 172, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 172, 242);  
box-shadow:4px 4px 4px 4px rgb(95, 172,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3487, 0.2173, 0.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 172, 242) }
```

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

```
.background{ background-color: rgb(95, 172,  
242) }
```

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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