

Converting Colors

$Yxy(38.2704, 0.2193, 0.2425)$

Have a look what the booklet for
Yxy(38.2704, 0.2193, 0.2425)
contains.

Yxy(38.2704, 0.2193, 0.2425)	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(38.2704, 0.2193, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	5DADEC
RGB	93, 173, 236
RGB Percent	36%, 68%, 93%
CMY	0.6348, 0.3216, 0.0744
CMYK	0.61, 0.27, 0.00, 0.07
HSL	206°, 79%, 65%
HSV	206°, 61%, 93%
XYZ	34.6091, 38.2704, 84.9366
YIQ	156.2620, -67.9030, 2.6330

Conversions

Conversions Part 2

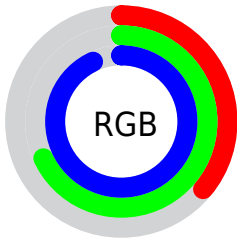
Format	Color
R _Y B	93, 144, 236
Decimal	6139372
CIE Lab	68.22, -5.97, -38.90
CIE LCh	68, 39.359, 261.273
Yxy	38.2704, 0.2193, 0.2425
Android (android.graphics.Color)	4284329452 (0xFF5DADEC)
YUV	156.2620, 39.3108, -55.4808
Hunter-Lab	61.8631, -8.3992, -38.0997

Details

The Yxy color **38.2704, 0.2193, 0.2425** is a light color, and the websafe version is hex **6699CC**, and the color name is **blue jeans**. The color can be described as light muted azure. A complement of this color would be **42.4595, 0.4533, 0.3969**, and the grayscale version is **33.2258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5768, 0.2531, 0.2978**, and **16.9958, 0.1945, 0.2185** is the 20% darker color. If you saturate the color by 10%, you get **33.3843, 0.2068, 0.2252**, and if you desaturate by 10%, it is **43.8505, 0.2334, 0.2594**.

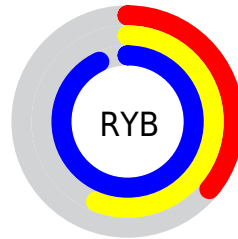
Distribution



Red (36%)

Green (68%)

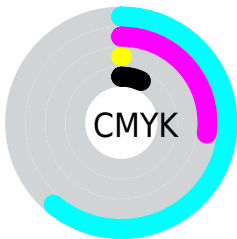
Blue (93%)



Red (36%)

Yellow (56%)

Blue (93%)

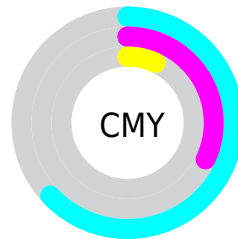


Cyan (61%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (32%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2704, 0.2193, 0.2425 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 38.2704, 0.2193, 0.2425 by changing the saturation by 10% instead.

■ 38.2704, 0.2193,
0.2425

■ 38.2704, 0.2193,
0.2425

■ 338.7785, 0.2654,
0.2860

■ 26.1926, 0.2083,
0.2319

■ 72.5224, 0.2357,
0.2582

■ 16.9678, 0.1945,
0.2185

■ 95.4654, 0.2420,
0.2641

■ 10.2115, 0.1769,
0.2011

■ 122.7990, 0.2473,
0.2691

■ 5.5394, 0.1539,
0.1781

■ 154.9074, 0.2520,
0.2735

■ 2.5671, 0.1232,
0.1467

■ 192.1752, 0.2560,
0.2772

■ 0.9102, 0.0820,
0.1038

■ 234.9867, 0.2595,

■ 0.0000, 0.0000,

0.2805

0.0000

283.7264, 0.2626,
0.2834

■ 38.2704, 0.2193,
0.2425

■ 38.2704, 0.2193,
0.2425

■ 33.3843, 0.2068,
0.2252

■ 43.8505, 0.2334,
0.2594

■ 29.1449, 0.1963,
0.2079

■ 50.1589, 0.2486,
0.2755

■ 25.5029, 0.1880,
0.1909

■ 57.2320, 0.2644,
0.2905

■ 22.5345, 0.1821,
0.1755

■ 65.1021, 0.2804,
0.3044

■ 73.7991, 0.2964,
0.3171

■ 83.3513, 0.3119,
0.3284

■ 93.1475, 0.3246,
0.3386

■ 98.8375, 0.3238,
0.3473

Harmonies

Analogous

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



38.2704, 0.2078, 0.2698



38.2704, 0.2193, 0.2425



38.2704, 0.2537, 0.2377

Triad

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



38.2704, 0.2193, 0.2425



38.2704, 0.4137, 0.3261



38.2704, 0.3099, 0.4251

Complementary

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



38.2704, 0.2193, 0.2425



42.4595, 0.4533, 0.3969

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.



38.2704, 0.3668, 0.4353



38.2704, 0.2193, 0.2425



38.2704, 0.4300, 0.3716

Square

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



38.2704, 0.2193, 0.2425



38.2704, 0.3666, 0.2842



38.2704, 0.4115, 0.4123



38.2704, 0.2566, 0.3793

Rectangle

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



38.2704, 0.2193, 0.2425



38.2704, 0.2874, 0.2458



38.2704, 0.4115, 0.4123



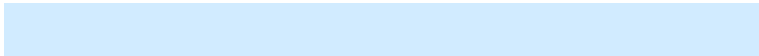
38.2704, 0.3293, 0.4328

Sweetspot

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



38.2717, 0.2193, 0.2425



80.0647, 0.2844, 0.3077



64.7057, 0.2760, 0.4416



16.5137, 0.2797, 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.



38.2717, 0.2193, 0.2425



38.3221, 0.2037, 0.2204



18.0211, 0.1974, 0.1453



15.9454, 0.2981, 0.3183



12.6812, 0.1828, 0.1781



1.1870, 0.1891, 0.2009

Inverse Universe

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



28.7030, 0.3924, 0.2445



28.5104, 0.4182, 0.2343



73.2923, 0.4036, 0.4628



15.1950, 0.3205, 0.3159



10.7730, 0.4708, 0.2367



0.8652, 0.4443, 0.2221

Previews

White Background



This preview shows how the Yxy color 38.2704, 0.2193, 0.2425 looks on a white background.

Color Contrast Check

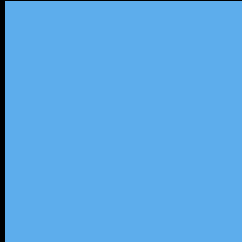
Large Text (above 18pt) WCAG AA × Fail

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 38.2704, 0.2193, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

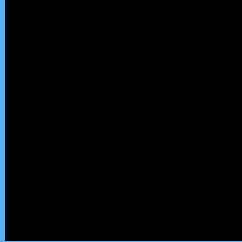
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

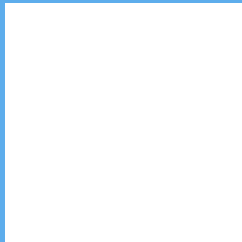
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2704, 0.2193, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 38.2704, 0.2193, 0.2425.

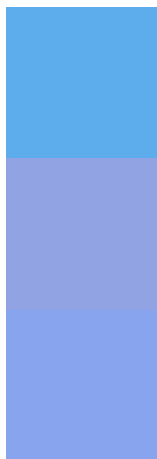


This preview shows how white text looks on a background with the Yxy color 38.2704, 0.2193, 0.2425.

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

38.2704, 0.2193, 0.2425

Protanopia

37.9068, 0.2505, 0.2437

Deuteranopia

38.0423, 0.2391, 0.2330



Tritanopia

38.4837, 0.2337, 0.3072

Trichromacy



Original Color

38.2704, 0.2193, 0.2425

Protanomaly

37.9190, 0.2373, 0.2433

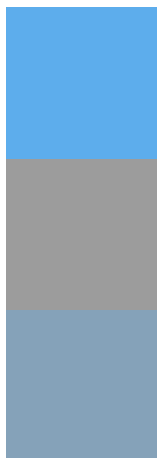
Deuteranomaly

37.8168, 0.2308, 0.2359

Tritanomaly

38.2878, 0.2281, 0.2814

Monochromacy



Original Color

38.2704, 0.2193, 0.2425

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3300, 0.2690, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2704, 0.2193, 0.2425 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(93, 173, 236)` looks like.

```
.text, #text, p{  
    color:rgb(93, 173, 236)  
}
```

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(93, 173, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 173, 236) }
```

Border

The CSS property to change the border of an element to Yxy 38.2704, 0.2193, 0.2425 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(93, 173, 236) }
```

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

```
.border{ border-color:rgb(93, 173, 236) }
```

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

Here you see how a box with a 4 pixel rgb(93, 173, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 173, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 173, 236);  
box-shadow:4px 4px 4px 4px rgb(93, 173,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2704, 0.2193, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 173, 236) }
```

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

```
.background{ background-color: rgb(93, 173,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor