

Converting Colors

$Yxy(38.1704, 0.2187, 0.2333)$

Have a look what the booklet for
Yxy(38.1704, 0.2187, 0.2333)
contains.

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Color

Yxy(38.1893, 0.2187, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	63ABF2
RGB	99, 171, 242
RGB Percent	39%, 67%, 95%
CMY	0.6116, 0.3294, 0.0510
CMYK	0.59, 0.29, 0.00, 0.05
HSL	210°, 85%, 67%
HSV	210°, 59%, 95%
XYZ	35.7381, 38.1893, 89.4842
YIQ	157.5660, -65.7030, 6.8170

Conversions

Conversions Part 2

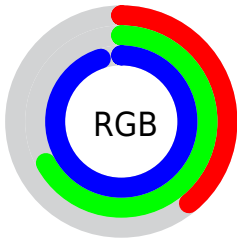
Format	Color
R _Y B	99, 147, 242
Decimal	6532082
CIE Lab	68.16, -1.87, -42.23
CIE LCh	68, 42.276, 267.459
Yxy	38.1893, 0.2187, 0.2337
Android (android.graphics.Color)	4284722162 (0xFF63ABF2)
YUV	157.5660, 41.6260, -51.3624
Hunter-Lab	61.7975, -4.9172, -42.5951

Details

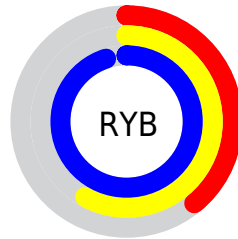
The Yxy color **38.1893, 0.2187, 0.2337** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.5451, 0.4431, 0.4039**, and the grayscale version is **33.8222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9836, 0.2552, 0.2957**, and **16.9094, 0.1935, 0.2073** is the 20% darker color. If you saturate the color by 10%, you get **32.6889, 0.2051, 0.2141**, and if you desaturate by 10%, it is **44.5136, 0.2338, 0.2528**.

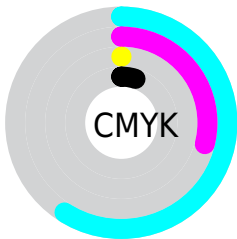
Distribution



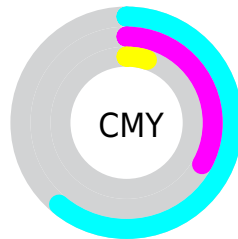
- Red (39%)
- Green (67%)
- Blue (95%)



- Red (39%)
- Yellow (58%)
- Blue (95%)



- Cyan (59%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)





- Cyan (61%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1893, 0.2187, 0.2337 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 38.1893, 0.2187, 0.2337 by changing the saturation by 10% instead.


 38.1893, 0.2187,
0.2337


 38.1893, 0.2187,
0.2337


338.4313, 0.2650,
0.2810


 26.1296, 0.2076,
0.2224


 72.3982, 0.2352,
0.2506


 16.9207, 0.1939,
0.2082

 95.3162, 0.2415,
0.2570

 10.1779, 0.1763,
0.1900


 122.6225, 0.2469,
0.2625

 5.5171, 0.1534,
0.1663

 154.7014, 0.2515,
0.2672

 2.5537, 0.1231,
0.1346

191.9373, 0.2556,
0.2713

 0.9035, 0.0834,
0.0926

234.7147, 0.2591,

 0.0000, 0.0000,

0.2749

0.0000

283.4179, 0.2623,
0.2781

■ 38.1893, 0.2187,
0.2337

■ 38.1893, 0.2187,
0.2337

■ 32.6889, 0.2051,
0.2141

■ 44.5136, 0.2338,
0.2528

■ 27.9597, 0.1935,
0.1946

■ 51.7013, 0.2498,
0.2709

■ 23.9469, 0.1842,
0.1756

■ 59.7937, 0.2662,
0.2879


■ 20.5709, 0.1773,
0.1577

■ 68.8276, 0.2826,
0.3034

■ 20.2799, 0.1767,
0.1561

■ 78.8377, 0.2987,
0.3175

 89.8564, 0.3141,
0.3301

 99.1903, 0.3203,
0.3415

Harmonies

Analogous

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



38.1893, 0.2014, 0.2573



38.1893, 0.2187, 0.2337



38.1893, 0.2597, 0.2335

Triad

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



38.1893, 0.2187, 0.2337



38.1893, 0.4280, 0.3352



38.1893, 0.2966, 0.4255

Complementary

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



38.1893, 0.2187, 0.2337



48.5451, 0.4431, 0.4039

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.



38.1893, 0.3581, 0.4446



38.1893, 0.2187, 0.2337



38.1893, 0.4373, 0.3834

Square

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



38.1893, 0.2187, 0.2337



38.1893, 0.3829, 0.2895



38.1893, 0.4102, 0.4249



38.1893, 0.2426, 0.3700

Rectangle

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



38.1893, 0.2187, 0.2337



38.1893, 0.2980, 0.2448



38.1893, 0.4102, 0.4249



38.1893, 0.3171, 0.4367

Sweetspot

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



38.1906, 0.2187, 0.2337



78.6171, 0.2843, 0.3049



68.9870, 0.2730, 0.4283



16.1609, 0.2795, 0.3006



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.



38.1906, 0.2187, 0.2337



35.6115, 0.2024, 0.2099



18.4583, 0.1982, 0.1414



16.5436, 0.2980, 0.3170



11.1693, 0.1775, 0.1590



1.1283, 0.1841, 0.1826

Inverse Universe

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



30.7498, 0.4000, 0.2539



28.8703, 0.4282, 0.2449



81.8676, 0.3979, 0.4659



15.8916, 0.3214, 0.3172



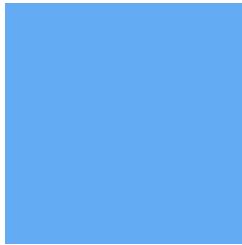
10.9209, 0.4944, 0.2497



0.9286, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 38.1893, 0.2187, 0.2337 looks on a white background.

Color Contrast Check

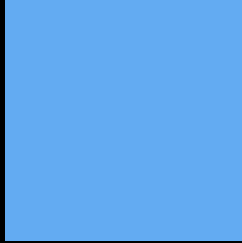
Large Text (above 18pt) WCAG AA × Fail

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 38.1893, 0.2187, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

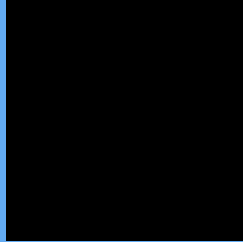
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

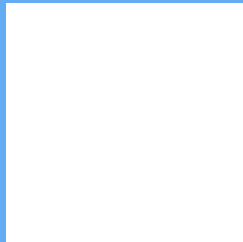
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1893, 0.2187, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 38.1893, 0.2187, 0.2337.

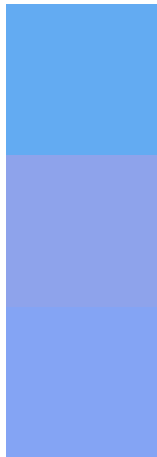


This preview shows how white text looks on a background with the Yxy color 38.1893, 0.2187, 0.2337.

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

38.1893, 0.2187, 0.2337

Protanopia

37.9433, 0.2437, 0.2356

Deuteranopia

37.9881, 0.2329, 0.2262



Tritanopia

38.2449, 0.2350, 0.3057

Trichromacy



Original Color

38.1893, 0.2187, 0.2337

Protanomaly

37.8811, 0.2329, 0.2342

Deuteranomaly

38.1016, 0.2274, 0.2295

Tritanomaly

38.1762, 0.2285, 0.2774

Monochromacy



Original Color

38.1893, 0.2187, 0.2337

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.1869, 0.2694, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1893, 0.2187, 0.2337 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(99, 171, 242)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 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(99, 171, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.1893, 0.2187, 0.2337 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(99, 171, 242) }
```

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

```
.border{ border-color:rgb(99, 171, 242) }
```

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

Here you see how a box with a 4 pixel rgb(99, 171, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 242);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1893, 0.2187, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 242) }
```

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

```
.background{ background-color: rgb(99, 171,  
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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