

Converting Colors

$Y_{xy}(38.3535, 0.2236, 0.2362)$

Have a look what the booklet for
Yxy(38.3535, 0.2236, 0.2362)
contains.

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Color

Yxy(38.2289, 0.2234, 0.2354)

Conversions

Conversions Part 1	
Format	Color
Hex	6CAAFA
RGB	108, 170, 240
RGB Percent	42%, 67%, 94%
CMY	0.5767, 0.3333, 0.0589
CMYK	0.55, 0.29, 0.00, 0.06
HSL	212°, 81%, 68%
HSV	212°, 55%, 94%
XYZ	36.2801, 38.2289, 87.8907
YIQ	159.4420, -59.4220, 8.6260

Conversions

Conversions Part 2

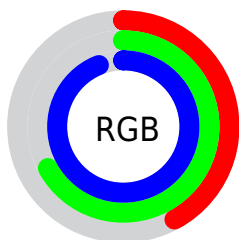
Format	Color
RYB	108, 150, 240
Decimal	7121648
CIELab	68.19, -0.18, -41.07
CIELCh	68, 41.066, 269.743
Yxy	38.2289, 0.2234, 0.2354
Android (android.graphics.Color)	4285311728 (0xFF6CAA00)
YUV	159.4420, 39.7151, -45.1146
Hunter-Lab	61.8295, -3.4621, -41.0001

Details

The Yxy color **38.2289, 0.2234, 0.2354** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.4126, 0.4288, 0.4043**, and the grayscale version is **34.7147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2859, 0.2592, 0.2949**, and **16.9098, 0.1992, 0.2094** is the 20% darker color. If you saturate the color by 10%, you get **32.3875, 0.2087, 0.2146**, and if you desaturate by 10%, it is **44.9483, 0.2394, 0.2555**.

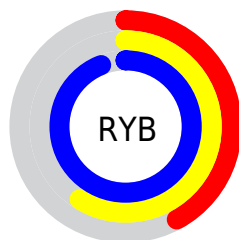
Distribution



Red (42%)

Green (67%)

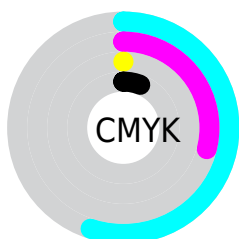
Blue (94%)



Red (42%)

Yellow (59%)

Blue (94%)

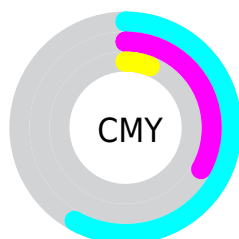


Cyan (55%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (58%)


Magenta (33%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2289, 0.2234, 0.2354 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 38.2289, 0.2234, 0.2354 by changing the saturation by 10% instead.

 38.2289, 0.2234,
0.2354


 38.2289, 0.2234,
0.2354


 338.6009, 0.2676,
0.2818


 26.1604, 0.2128,
0.2243


 72.4588, 0.2392,
0.2520


 16.9437, 0.1995,
0.2103


 95.3891, 0.2452,
0.2583


 10.1943, 0.1825,
0.1924


 122.7087, 0.2504,
0.2637

 5.5280, 0.1602,
0.1690

 154.8020, 0.2548,
0.2683

 2.5603, 0.1303,
0.1376

 192.0535, 0.2586,
0.2723

 0.9067, 0.0904,
0.0956


 234.8476, 0.2620,


 0.0000, 0.0000,

0.2759


0.0000


283.5685, 0.2650,
0.2790


 38.2289, 0.2234,
0.2354

 38.2289, 0.2234,
0.2354


 32.3875, 0.2087,
0.2146


 44.9483, 0.2394,
0.2555

 27.3720, 0.1957,
0.1938

 52.5850, 0.2559,
0.2744

 23.1297, 0.1850,
0.1734

 61.1804, 0.2727,
0.2920


 19.5962, 0.1769,
0.1542

 70.7718, 0.2891,
0.3080

 18.0576, 0.1737,
0.1451

 81.3942, 0.3050,
0.3224

 93.0808, 0.3202,
0.3352

 99.0703, 0.3215,
0.3435

Harmonies

Analogous

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



38.2289, 0.2046, 0.2567



38.2289, 0.2234, 0.2354



38.2289, 0.2651, 0.2367

Triad

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



38.2289, 0.2234, 0.2354



38.2289, 0.4267, 0.3389



38.2289, 0.2928, 0.4194

Complementary

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



38.2289, 0.2234, 0.2354



51.4126, 0.4288, 0.4043

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.



38.2289, 0.3526, 0.4412



38.2289, 0.2234, 0.2354



38.2289, 0.4330, 0.3858

Square

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



38.2289, 0.2234, 0.2354



38.2289, 0.3851, 0.2938



38.2289, 0.4045, 0.4249



38.2289, 0.2413, 0.3640

Rectangle

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



38.2289, 0.2234, 0.2354



38.2289, 0.3031, 0.2487



38.2289, 0.4045, 0.4249



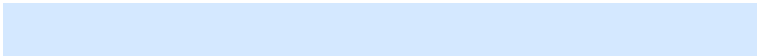
38.2289, 0.3126, 0.4312

Sweetspot

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



38.2303, 0.2234, 0.2354



78.8937, 0.2858, 0.3048



68.6364, 0.2725, 0.4138



16.4018, 0.2825, 0.3017



0.0000, 0.0000, 0.0000



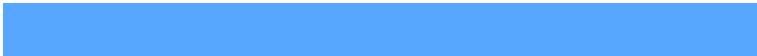
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.2303, 0.2234, 0.2354



36.4360, 0.2070, 0.2121



20.3298, 0.2074, 0.1531



16.4540, 0.2980, 0.3162



10.1482, 0.1745, 0.1480



1.0418, 0.1813, 0.1727

Inverse Universe

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



32.1399, 0.3967, 0.2627



30.7742, 0.4239, 0.2533



81.5313, 0.3904, 0.4610



15.8825, 0.3219, 0.3179



10.8178, 0.5085, 0.2575



0.9199, 0.4774, 0.2403

Previews

White Background



This preview shows how the Yxy color 38.2289, 0.2234, 0.2354 looks on a white background.

Color Contrast Check

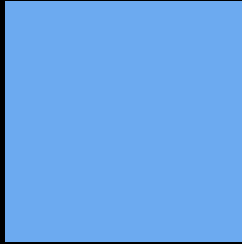
Large Text (above 18pt) WCAG AA × Fail

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 38.2289, 0.2234, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

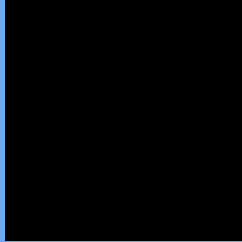
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

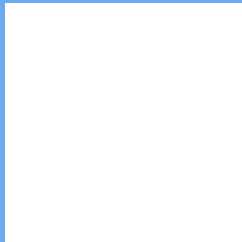
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2289, 0.2234, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 38.2289, 0.2234, 0.2354.



This preview shows how white text looks on a background with the Yxy color 38.2289, 0.2234, 0.2354.

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

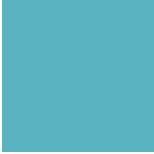
38.2289, 0.2234, 0.2354

Protanopia

37.9745, 0.2449, 0.2368

Deuteranopia

37.9701, 0.2356, 0.2295



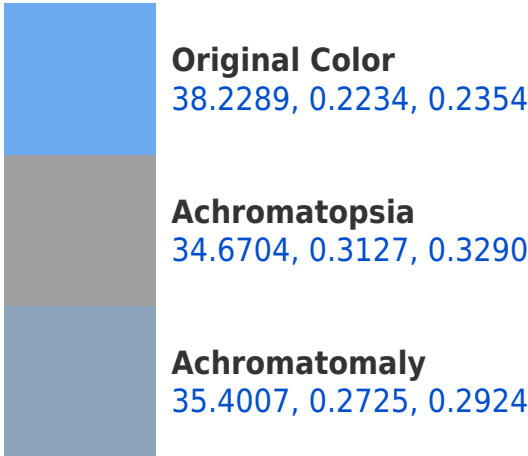
Tritanopia

38.2641, 0.2407, 0.3074

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2289, 0.2234, 0.2354 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(108, 170, 240)` looks like.

```
.text, #text, p{  
    color:rgb(108, 170, 240)  
}
```

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(108, 170, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 170, 240) }
```

Border

The CSS property to change the border of an element to Yxy 38.2289, 0.2234, 0.2354 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(108, 170, 240) }
```

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

```
.border{ border-color:rgb(108, 170, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 170, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 170, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 170, 240);  
box-shadow:4px 4px 4px 4px rgb(108, 170,  
240) }
```

Background

The CSS property to change the background color of an element to Yxy 38.2289, 0.2234, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 170, 240) }
```

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

```
.background{ background-color: rgb(108,  
170, 240) }
```

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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