

Converting Colors

$Y_{xy}(38.2349, 0.2424, 0.2550)$

Have a look what the booklet for
Yxy(38.2349, 0.2424, 0.2550)
contains.

Yxy(38.2928, 0.2428, 0.2553)	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(38.2928, 0.2428, 0.2553)

Conversions

Conversions Part 1

Format	Color
Hex	80A9DF
RGB	128, 169, 223
RGB Percent	50%, 66%, 87%
CMY	0.4977, 0.3373, 0.1255
CMYK	0.43, 0.24, 0.00, 0.13
HSL	214°, 60%, 69%
HSV	214°, 43%, 87%
XYZ	36.4179, 38.2928, 75.2807
YIQ	162.8970, -41.7700, 8.1020

Conversions

Conversions Part 2

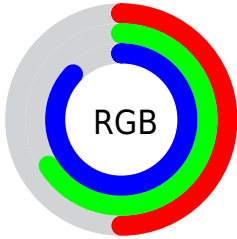
Format	Color
R _Y B	128, 157, 223
Decimal	8432095
CIE Lab	68.24, 0.07, -31.62
CIE LCh	68, 31.616, 270.131
Yxy	38.2928, 0.2428, 0.2553
Android (android.graphics.Color)	4286622175 (0xFF80A9DF)
YUV	162.8970, 29.6308, -30.6047
Hunter-Lab	61.8812, -3.2424, -28.8116

Details

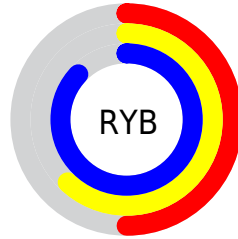
The Yxy color **38.2928, 0.2428, 0.2553** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.7432, 0.3948, 0.3922**, and the grayscale version is **36.4553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7217, 0.2686, 0.2946**, and **16.9662, 0.2228, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **32.2552, 0.2262, 0.2340**, and if you desaturate by 10%, it is **45.1716, 0.2598, 0.2753**.

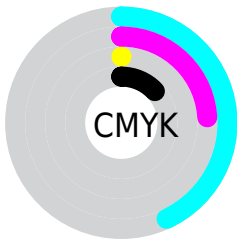
Distribution



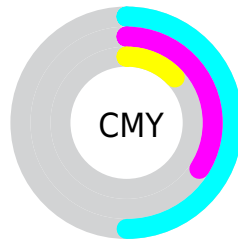
- Red (50%)
- Green (66%)
- Blue (87%)



- Red (50%)
- Yellow (62%)
- Blue (87%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)





- Cyan (50%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2928, 0.2428, 0.2553 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 38.2928, 0.2428, 0.2553 by changing the saturation by 10% instead.


 38.2928, 0.2428,
0.2553


 38.2928, 0.2428,
0.2553

338.8743, 0.2779,
0.2923

 26.2100, 0.2341,
0.2462


 72.5567, 0.2555,
0.2687

 16.9808, 0.2231,
0.2345


 95.5066, 0.2603,
0.2738

 10.2208, 0.2086,
0.2193


 122.8477, 0.2644,
0.2780

 5.5456, 0.1891,
0.1987

154.9643, 0.2679,
0.2817

 2.5708, 0.1615,
0.1696

192.2409, 0.2709,
0.2849

 0.9120, 0.1213,
0.1273

235.0618, 0.2735,

 0.0000, 0.0000,

0.2877

0.0000

283.8115, 0.2759,
0.2901

■ 38.2928, 0.2428,
0.2553

■ 38.2928, 0.2428,
0.2553

■ 32.2552, 0.2262,
0.2340

■ 45.1716, 0.2598,
0.2753

■ 27.0163, 0.2106,
0.2119

■ 52.9226, 0.2767,
0.2937

■ 22.5359, 0.1966,
0.1897

■ 61.5803, 0.2931,
0.3104

■ 18.7671, 0.1848,
0.1679

■ 71.1759, 0.3088,
0.3254

■ 15.6559, 0.1757,
0.1475

■ 81.7388, 0.3236,
0.3387

■ 13.7112, 0.1704,
0.1334

■ 91.9683, 0.3328,
0.3508

■ 98.1075, 0.3316,
0.3601

Harmonies

Analogous

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



38.2928, 0.2273, 0.2731



38.2928, 0.2428, 0.2553



38.2928, 0.2766, 0.2559

Triad

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



38.2928, 0.2428, 0.2553



38.2928, 0.4004, 0.3388



38.2928, 0.2977, 0.3964

Complementary

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



38.2928, 0.2428, 0.2553



50.7432, 0.3948, 0.3922

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.



38.2928, 0.3444, 0.4143



38.2928, 0.2428, 0.2553



38.2928, 0.4057, 0.3758

Square

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



38.2928, 0.2428, 0.2553



38.2928, 0.3691, 0.3023



38.2928, 0.3844, 0.4047



38.2928, 0.2570, 0.3554

Rectangle

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



38.2928, 0.2428, 0.2553



38.2928, 0.3065, 0.2656



38.2928, 0.3844, 0.4047



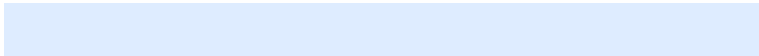
38.2928, 0.3132, 0.4055

Sweetspot

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



38.2942, 0.2428, 0.2553



82.7950, 0.2923, 0.3096



60.7413, 0.2766, 0.3843



17.1431, 0.2887, 0.3060



0.0000, 0.0000, 0.0000



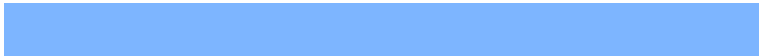
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2942, 0.2428, 0.2553



44.6214, 0.2281, 0.2366



25.8905, 0.2380, 0.1991



14.2099, 0.2981, 0.3153



8.2773, 0.1712, 0.1362



0.7490, 0.1795, 0.1663

Inverse Universe

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



34.0121, 0.3744, 0.2810



39.2505, 0.3940, 0.2717



69.0353, 0.3710, 0.4355



13.7981, 0.3225, 0.3189



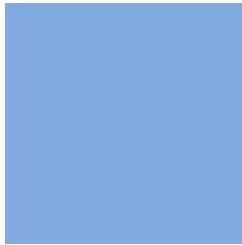
9.7436, 0.5242, 0.2661



0.6931, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 38.2928, 0.2428, 0.2553 looks on a white background.

Color Contrast Check

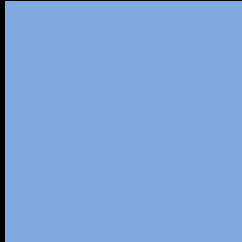
Large Text (above 18pt) WCAG AA × Fail

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 38.2928, 0.2428, 0.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

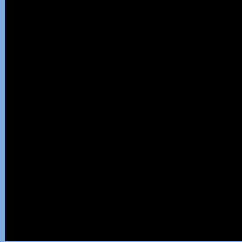
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

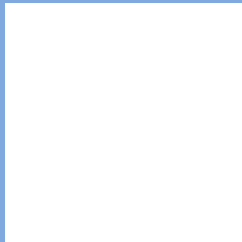
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2928, 0.2428, 0.2553

Background



This preview shows how black text looks on a background with the Yxy color 38.2928, 0.2428, 0.2553.



This preview shows how white text looks on a background with the Yxy color 38.2928, 0.2428, 0.2553.

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

38.2928, 0.2428, 0.2553

Protanopia

38.2447, 0.2598, 0.2560

Deuteranopia

38.3223, 0.2552, 0.2500



Tritanopia

38.2560, 0.2586, 0.3080

Trichromacy



Original Color

38.2928, 0.2428, 0.2553

Protanomaly

38.2794, 0.2538, 0.2565

Deuteranomaly

38.3170, 0.2500, 0.2516

Tritanomaly

38.2418, 0.2527, 0.2883

Monochromacy



Original Color

38.2928, 0.2428, 0.2553

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8971, 0.2831, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2928, 0.2428, 0.2553 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(128, 169, 223)` looks like.

```
.text, #text, p{  
    color:rgb(128, 169, 223)  
}
```

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(128, 169, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 169, 223) }
```

Border

The CSS property to change the border of an element to Yxy 38.2928, 0.2428, 0.2553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

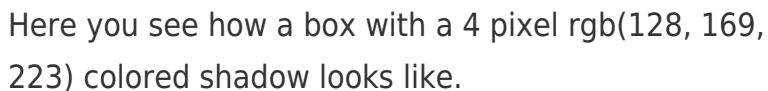
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 169, 223) }
```

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

```
.border{ border-color:rgb(128, 169, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 169, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 169, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 169, 223); box-shadow:4px 4px 4px 4px rgb(128, 169, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2928, 0.2428, 0.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 169, 223) }
```

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

```
.background{ background-color: rgb(128,  
169, 223) }
```

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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