

Converting Colors

$Y_{xy}(38.2584, 0.2538, 0.2743)$

Have a look what the booklet for
Yxy(38.2584, 0.2538, 0.2743)
contains.

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Color

Yxy(38.2584, 0.2538, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	84AAD1
RGB	132, 170, 209
RGB Percent	52%, 67%, 82%
CMY	0.4822, 0.3333, 0.1805
CMYK	0.37, 0.19, 0.00, 0.18
HSL	210°, 46%, 67%
HSV	210°, 37%, 82%
XYZ	35.3991, 38.2584, 65.8190
YIQ	163.0840, -35.1670, 4.0730

Conversions

Conversions Part 2

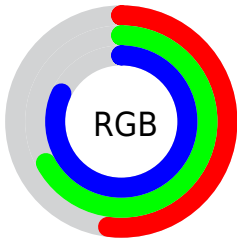
Format	Color
RYB	132, 157, 209
Decimal	8694481
CIELab	68.21, -3.24, -23.92
CIELCh	68, 24.134, 262.291
Yxy	38.2584, 0.2538, 0.2743
Android (android.graphics.Color)	4286884561 (0xFF84AAD1)
YUV	163.0840, 22.6366, -27.2607
Hunter-Lab	61.8534, -6.0866, -19.7939

Details

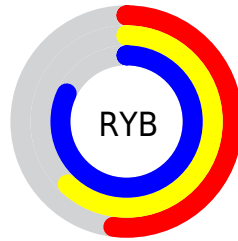
The Yxy color **38.2584, 0.2538, 0.2743** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.3429, 0.3835, 0.3778**, and the grayscale version is **36.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6352, 0.2704, 0.2959**, and **16.9522, 0.2371, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **32.9302, 0.2377, 0.2562**, and if you desaturate by 10%, it is **44.2465, 0.2702, 0.2911**.

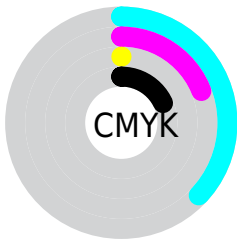
Distribution



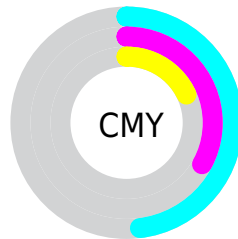
- Red (52%)
- Green (67%)
- Blue (82%)



- Red (52%)
- Yellow (62%)
- Blue (82%)



- Cyan (37%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2584, 0.2538, 0.2743 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 38.2584, 0.2538, 0.2743 by changing the saturation by 10% instead.

■ 38.2584, 0.2538,
0.2743

■ 38.2584, 0.2538,
0.2743

■ 338.7271, 0.2836,
0.3023

■ 26.1833, 0.2463,
0.2672

■ 72.5040, 0.2647,
0.2846

■ 16.9608, 0.2368,
0.2580

■ 95.4433, 0.2687,
0.2884

■ 10.2066, 0.2241,
0.2458

■ 122.7729, 0.2722,
0.2916

■ 5.5361, 0.2065,
0.2287

■ 154.8770, 0.2751,
0.2944

■ 2.5651, 0.1810,
0.2036

■ 192.1400, 0.2777,
0.2967

■ 0.9092, 0.1415,
0.1639

■ 234.9465, 0.2799,

■ 0.0000, 0.0000,

0.2988

0.0000

283.6807, 0.2818,
0.3006

■ 38.2584, 0.2538,
0.2743

■ 38.2584, 0.2538,
0.2743

■ 32.9302, 0.2377,
0.2562

■ 44.2465, 0.2702,
0.2911

■ 28.2297, 0.2223,
0.2371

■ 50.9159, 0.2865,
0.3065

■ 24.1282, 0.2082,
0.2174

■ 58.2923, 0.3023,
0.3204

■ 20.5923, 0.1959,
0.1976

■ 66.3985, 0.3175,
0.3328

■ 17.5840, 0.1859,
0.1782

■ 75.2563, 0.3318,
0.3438

■ 15.0557, 0.1783,
0.1599

■ 84.4259, 0.3436,
0.3537

■ 14.3280, 0.1762,
0.1542

■ 90.6166, 0.3418,
0.3639

■ 97.1731, 0.3400,
0.3738

■ 97.3819, 0.3400,
0.3741

Harmonies

Analogous

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



38.2584, 0.2456, 0.2927



38.2584, 0.2538, 0.2743



38.2584, 0.2771, 0.2705

Triad

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



38.2584, 0.2538, 0.2743



38.2584, 0.3749, 0.3298



38.2584, 0.3111, 0.3850

Complementary

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



38.2584, 0.2538, 0.2743



44.3429, 0.3835, 0.3778

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.



38.2584, 0.3466, 0.3937



38.2584, 0.2538, 0.2743



38.2584, 0.3847, 0.3591

Square

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



38.2584, 0.2538, 0.2743



38.2584, 0.3473, 0.3017



38.2584, 0.3739, 0.3830



38.2584, 0.2774, 0.3581

Rectangle

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



38.2584, 0.2538, 0.2743



38.2584, 0.2989, 0.2758



38.2584, 0.3739, 0.3830



38.2584, 0.3233, 0.3902

Sweetspot

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



38.2599, 0.2538, 0.2743



86.3309, 0.2955, 0.3146



53.4146, 0.2839, 0.3828



18.1387, 0.2934, 0.3127



0.0000, 0.0000, 0.0000



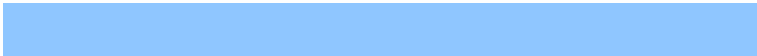
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2599, 0.2538, 0.2743



53.5088, 0.2414, 0.2605



26.0213, 0.2459, 0.2185



12.3674, 0.2982, 0.3169



9.0338, 0.1769, 0.1568



0.6638, 0.1862, 0.1904

Inverse Universe

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



32.9643, 0.3574, 0.2819



44.9301, 0.3708, 0.2721



60.8026, 0.3677, 0.4199



11.9041, 0.3214, 0.3176



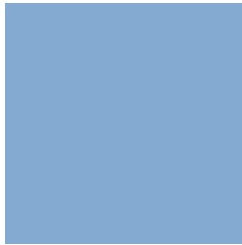
8.9832, 0.4972, 0.2513



0.5183, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 38.2584, 0.2538, 0.2743 looks on a white background.

Color Contrast Check

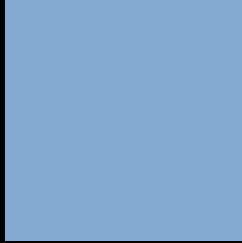
Large Text (above 18pt) WCAG AA × Fail

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 38.2584, 0.2538, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

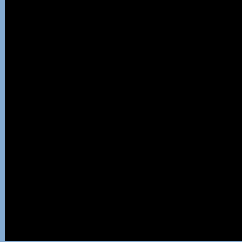
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

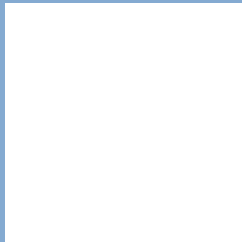
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2584, 0.2538, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 38.2584, 0.2538, 0.2743.



This preview shows how white text looks on a background with the Yxy color 38.2584, 0.2538, 0.2743.

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

38.2584, 0.2538, 0.2743

Protanopia

38.0266, 0.2732, 0.2733

Deuteranopia

38.2685, 0.2712, 0.2651



Tritanopia

38.4150, 0.2645, 0.3082

Trichromacy



Original Color

38.2584, 0.2538, 0.2743

Protanomaly

37.9317, 0.2657, 0.2738

Deuteranomaly

38.3151, 0.2646, 0.2691

Tritanomaly

38.5398, 0.2605, 0.2956

Monochromacy



Original Color

38.2584, 0.2538, 0.2743

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2431, 0.2888, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2584, 0.2538, 0.2743 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(132, 170, 209)` looks like.

```
.text, #text, p{  
    color:rgb(132, 170, 209)  
}
```

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(132, 170, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 170, 209) }
```

Border

The CSS property to change the border of an element to Yxy 38.2584, 0.2538, 0.2743 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(132, 170, 209) }
```

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

```
.border{ border-color:rgb(132, 170, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 170, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 170, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 170, 209);  
box-shadow:4px 4px 4px 4px rgb(132, 170,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2584, 0.2538, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 170, 209) }
```

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

```
.background{ background-color: rgb(132,  
170, 209) }
```

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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