

Converting Colors

$Yxy(38.3174, 0.2480, 0.2698)$

Have a look what the booklet for
Yxy(38.3174, 0.2480, 0.2698)
contains.

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Color

Yxy(38.4419, 0.2483, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	7FABD5
RGB	127, 171, 213
RGB Percent	50%, 67%, 84%
CMY	0.5019, 0.3294, 0.1647
CMYK	0.40, 0.20, 0.00, 0.16
HSL	209°, 51%, 67%
HSV	209°, 40%, 84%
XYZ	35.3261, 38.4419, 68.5040
YIQ	162.6320, -39.7060, 3.7340

Conversions

Conversions Part 2

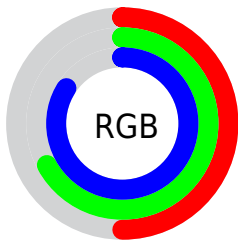
Format	Color
R _Y B	127, 156, 213
Decimal	8367061
CIE Lab	68.35, -4.06, -25.95
CIE LCh	68, 26.269, 261.100
Yxy	38.4419, 0.2483, 0.2702
Android (android.graphics.Color)	4286557141 (0xFF7FABD5)
YUV	162.6320, 24.8314, -31.2493
Hunter-Lab	62.0015, -6.8001, -22.1070

Details

The Yxy color **38.4419, 0.2483, 0.2702** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.0570, 0.3929, 0.3808**, and the grayscale version is **36.3404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6800, 0.2682, 0.2968**, and **17.0787, 0.2301, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **33.2003, 0.2326, 0.2524**, and if you desaturate by 10%, it is **44.3415, 0.2645, 0.2869**.

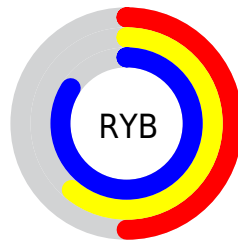
Distribution



Red (50%)

Green (67%)

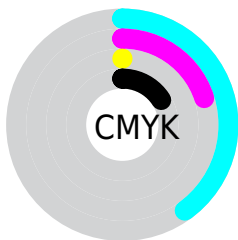
Blue (84%)



Red (50%)

Yellow (61%)

Blue (84%)

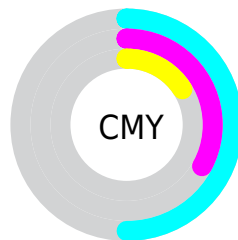


Cyan (40%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (50%)

Magenta (33%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4419, 0.2483, 0.2702 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 38.4419, 0.2483, 0.2702 by changing the saturation by 10% instead.

■ 38.4419, 0.2483,
0.2702

■ 38.4419, 0.2483,
0.2702

■ 339.5118, 0.2807,
0.3002

■ 26.3258, 0.2402,
0.2626

■ 72.7850, 0.2601,
0.2812

■ 17.0676, 0.2299,
0.2528

■ 95.7807, 0.2645,
0.2853

■ 10.2827, 0.2163,
0.2399

■ 123.1719, 0.2683,
0.2888

■ 5.5868, 0.1977,
0.2218

■ 155.3428, 0.2715,
0.2917

■ 2.5955, 0.1710,
0.1955

■ 192.6778, 0.2743,
0.2943

■ 0.9244, 0.1305,
0.1549

■ 235.5614, 0.2767,

■ 0.0000, 0.0000,

0.2965

0.0000

284.3780, 0.2788,
0.2985

■ 38.4419, 0.2483,
0.2702

■ 38.4419, 0.2483,
0.2702

■ 33.2003, 0.2326,
0.2524

■ 44.3415, 0.2645,
0.2869

■ 28.5831, 0.2179,
0.2337

■ 50.9215, 0.2808,
0.3022

■ 24.5601, 0.2046,
0.2146

■ 58.2086, 0.2967,
0.3161

■ 21.0957, 0.1934,
0.1956

■ 66.2265, 0.3122,
0.3286

■ 18.1486, 0.1844,
0.1770

■ 74.9975, 0.3269,
0.3397

■ 15.7337, 0.1778,
0.1601

■ 84.5432, 0.3408,
0.3495

■ 90.6575, 0.3393,
0.3596

■ 97.0896, 0.3377,
0.3694

■ 97.5838, 0.3376,
0.3701

Harmonies

Analogous

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



38.4419, 0.2402, 0.2905



38.4419, 0.2483, 0.2702



38.4419, 0.2727, 0.2657

Triad

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



38.4419, 0.2483, 0.2702



38.4419, 0.3795, 0.3283



38.4419, 0.3124, 0.3910

Complementary

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



38.4419, 0.2483, 0.2702



44.0570, 0.3929, 0.3808

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.



38.4419, 0.3507, 0.3993



38.4419, 0.2483, 0.2702



38.4419, 0.3910, 0.3601

Square

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



38.4419, 0.2483, 0.2702



38.4419, 0.3488, 0.2984



38.4419, 0.3799, 0.3866



38.4419, 0.2756, 0.3622

Rectangle

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



38.4419, 0.2483, 0.2702



38.4419, 0.2961, 0.2711



38.4419, 0.3799, 0.3866



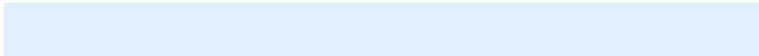
38.4419, 0.3255, 0.3963

Sweetspot

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



38.4434, 0.2483, 0.2702



85.4836, 0.2940, 0.3137



54.9471, 0.2824, 0.3912



17.9798, 0.2919, 0.3120



0.0000, 0.0000, 0.0000



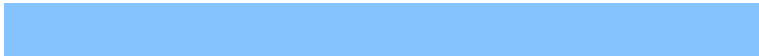
21.4041, 0.3127, 0.3290

Same Dimension

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



38.4434, 0.2483, 0.2702



51.3023, 0.2355, 0.2558



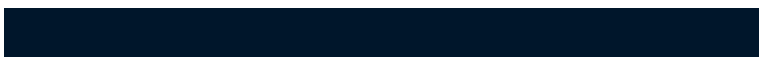
24.8728, 0.2385, 0.2079



13.0487, 0.2982, 0.3173



9.8167, 0.1785, 0.1626



0.7576, 0.1871, 0.1934

Inverse Universe

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



32.2684, 0.3617, 0.2754



41.8758, 0.3762, 0.2650



62.5455, 0.3733, 0.4269



12.5258, 0.3212, 0.3171



9.3359, 0.4898, 0.2472



0.5798, 0.4528, 0.2268

Previews

White Background



This preview shows how the Yxy color 38.4419, 0.2483, 0.2702 looks on a white background.

Color Contrast Check

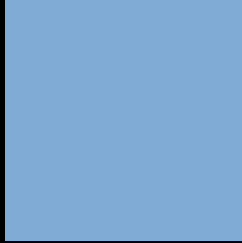
Large Text (above 18pt) WCAG AA × Fail

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 38.4419, 0.2483, 0.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

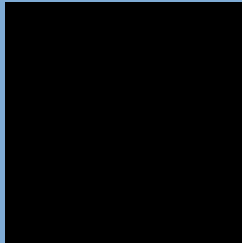
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

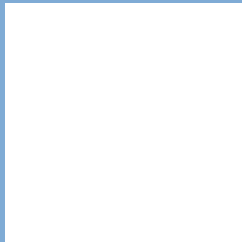
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4419, 0.2483, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 38.4419, 0.2483, 0.2702.

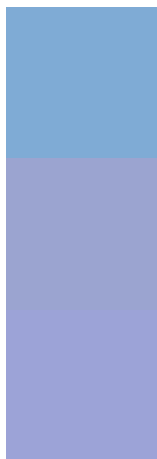


This preview shows how white text looks on a background with the Yxy color 38.4419, 0.2483, 0.2702.

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

38.4419, 0.2483, 0.2702

Protanopia

38.0735, 0.2703, 0.2695

Deuteranopia

38.1686, 0.2661, 0.2599



Tritanopia

38.3990, 0.2599, 0.3081

Trichromacy



Original Color

38.4419, 0.2483, 0.2702

Protanomaly

38.3103, 0.2617, 0.2701

Deuteranomaly

38.1472, 0.2590, 0.2638

Tritanomaly

38.5603, 0.2554, 0.2940

Monochromacy



Original Color

38.4419, 0.2483, 0.2702

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.0927, 0.2863, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4419, 0.2483, 0.2702 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(127, 171, 213)` looks like.

```
.text, #text, p{  
    color:rgb(127, 171, 213)  
}
```

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(127, 171, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 171, 213) }
```

Border

The CSS property to change the border of an element to Yxy 38.4419, 0.2483, 0.2702 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(127, 171, 213) }
```

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

```
.border{ border-color:rgb(127, 171, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 171, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 171, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 171, 213); box-shadow:4px 4px 4px 4px rgb(127, 171, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4419, 0.2483, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 171, 213) }
```

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

```
.background{ background-color: rgb(127,  
171, 213) }
```

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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