

Converting Colors

$Yxy(38.6213, 0.2483, 0.2835)$

Have a look what the booklet for
Yxy(38.6213, 0.2483, 0.2835)
contains.

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Color

Yxy(38.6503, 0.2481, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	77AECE
RGB	119, 174, 206
RGB Percent	47%, 68%, 81%
CMY	0.5329, 0.3177, 0.1921
CMYK	0.42, 0.16, 0.00, 0.19
HSL	202°, 47%, 64%
HSV	202°, 42%, 81%
XYZ	33.8959, 38.6503, 64.0756
YIQ	161.2030, -43.0520, -1.7080

Conversions

Conversions Part 2

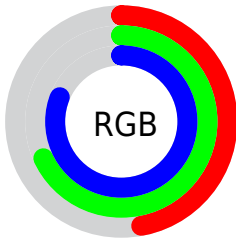
Format	Color
R _Y B	119, 153, 206
Decimal	7843534
CIE Lab	68.50, -9.64, -21.92
CIE LCh	68, 23.941, 246.259
Yxy	38.6503, 0.2481, 0.2829
Android (android.graphics.Color)	4286033614 (0xFF77AECE)
YUV	161.2030, 22.0849, -37.0120
Hunter-Lab	62.1694, -11.4750, -17.5894

Details

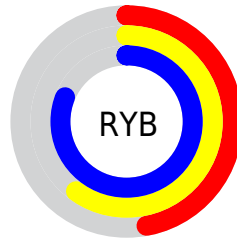
The Yxy color **38.6503, 0.2481, 0.2829** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.6351, 0.4030, 0.3702**, and the grayscale version is **35.6608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2573, 0.2636, 0.2998**, and **17.2761, 0.2293, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **34.4962, 0.2341, 0.2697**, and if you desaturate by 10%, it is **43.2893, 0.2630, 0.2954**.

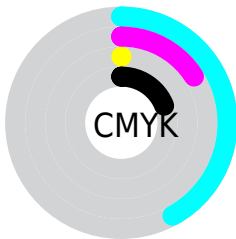
Distribution



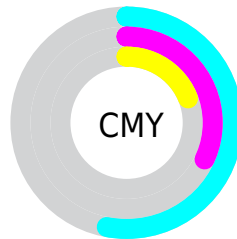
- Red (47%)
- Green (68%)
- Blue (81%)



- Red (47%)
- Yellow (60%)
- Blue (81%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)




- Cyan (53%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6503, 0.2481, 0.2829 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 38.6503, 0.2481, 0.2829 by changing the saturation by 10% instead.


 38.6503, 0.2481,
0.2829


 38.6503, 0.2481,
0.2829


340.4014, 0.2806,
0.3069

 26.4878, 0.2400,
0.2767


 73.1038, 0.2599,
0.2918

 17.1889, 0.2297,
0.2686


 96.1636, 0.2643,
0.2951

 10.3693, 0.2160,
0.2577

 123.6245, 0.2681,
0.2978

 5.6445, 0.1972,
0.2422

155.8711, 0.2713,
0.3002

 2.6301, 0.1702,
0.2189

193.2877, 0.2741,
0.3022

 0.9418, 0.1268,
0.1813

236.2587, 0.2765,

 0.0000, 0.0000,

0.3039

0.0000

285.1685, 0.2787,
0.3055

■ 38.6503, 0.2481,
0.2829

■ 38.6503, 0.2481,
0.2829

■ 34.4962, 0.2341,
0.2697

■ 43.2893, 0.2630,
0.2954

■ 30.7991, 0.2213,
0.2558

■ 48.4300, 0.2784,
0.3069

■ 27.5347, 0.2102,
0.2417

■ 54.0939, 0.2940,
0.3175

■ 24.6738, 0.2010,
0.2274

■ 60.2996, 0.3094,
0.3270

■ 22.1816, 0.1940,
0.2134

■ 67.0647, 0.3244,
0.3356

■ 20.4454, 0.1896,
0.2026

■ 74.4059, 0.3390,
0.3432

■ 80.7281, 0.3468,
0.3504

■ 84.9769, 0.3454,
0.3578

■ 89.4113, 0.3440,
0.3651

Harmonies

Analogous

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



38.6503, 0.2487, 0.3081



38.6503, 0.2481, 0.2829



38.6503, 0.2635, 0.2713

Triad

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



38.6503, 0.2481, 0.2829



38.6503, 0.3613, 0.3144



38.6503, 0.3303, 0.3914

Complementary

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



38.6503, 0.2481, 0.2829



36.6351, 0.4030, 0.3702

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.



38.6503, 0.3622, 0.3894



38.6503, 0.2481, 0.2829



38.6503, 0.3812, 0.3435

Square

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



38.6503, 0.2481, 0.2829



38.6503, 0.3281, 0.2897



38.6503, 0.3813, 0.3710



38.6503, 0.2949, 0.3737

Rectangle

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



38.6503, 0.2481, 0.2829



38.6503, 0.2814, 0.2717



38.6503, 0.3813, 0.3710



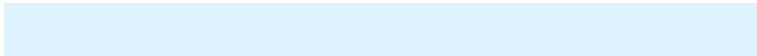
38.6503, 0.3418, 0.3930

Sweetspot

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



38.6518, 0.2481, 0.2829



86.6969, 0.2925, 0.3165



50.3128, 0.2875, 0.4100



18.1059, 0.2890, 0.3142



0.0000, 0.0000, 0.0000



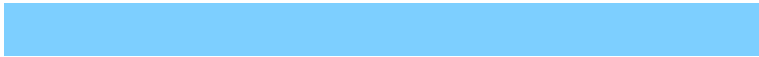
21.4041, 0.3127, 0.3290

Same Dimension

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



38.6518, 0.2481, 0.2829



56.2353, 0.2348, 0.2704



24.5359, 0.2373, 0.2169



12.0048, 0.2983, 0.3203



12.7784, 0.1902, 0.2046



0.8011, 0.1977, 0.2317

Inverse Universe

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



29.3974, 0.3522, 0.2608



40.4229, 0.3649, 0.2465



53.2325, 0.3805, 0.4204



11.3309, 0.3193, 0.3145



9.0930, 0.4401, 0.2198



0.4834, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 38.6503, 0.2481, 0.2829 looks on a white background.

Color Contrast Check

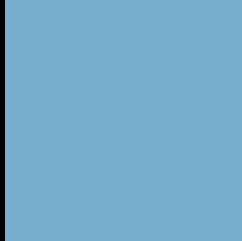
Large Text (above 18pt) WCAG AA × Fail

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 38.6503, 0.2481, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

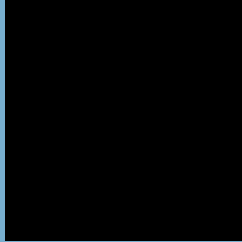
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6503, 0.2481, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 38.6503, 0.2481, 0.2829.

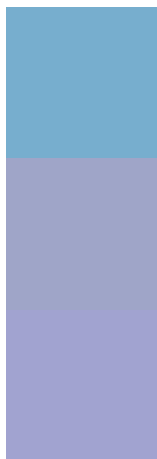


This preview shows how white text looks on a background with the Yxy color 38.6503, 0.2481, 0.2829.

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

38.6503, 0.2481, 0.2829

Protanopia

38.4513, 0.2793, 0.2813

Deuteranopia

38.3255, 0.2749, 0.2689



Tritanopia

38.8507, 0.2552, 0.3080

Trichromacy



Original Color

38.6503, 0.2481, 0.2829

Protanomaly

38.1988, 0.2665, 0.2815

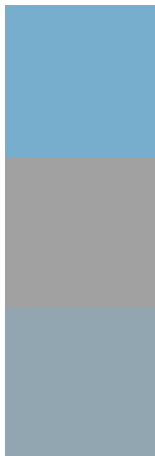
Deuteranomaly

38.2534, 0.2645, 0.2739

Tritanomaly

38.7492, 0.2526, 0.2994

Monochromacy



Original Color

38.6503, 0.2481, 0.2829

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.5578, 0.2860, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6503, 0.2481, 0.2829 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(119, 174, 206)` looks like.

```
.text, #text, p{  
    color:rgb(119, 174, 206)  
}
```

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(119, 174, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 174, 206) }
```

Border

The CSS property to change the border of an element to Yxy 38.6503, 0.2481, 0.2829 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(119, 174, 206) }
```

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

```
.border{ border-color:rgb(119, 174, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 174, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 174, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 174, 206);  
box-shadow:4px 4px 4px 4px rgb(119, 174,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6503, 0.2481, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 174, 206) }
```

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

```
.background{ background-color: rgb(119,  
174, 206) }
```

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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