

Converting Colors

$Y_{xy}(38.7828, 0.2614, 0.2975)$

Have a look what the booklet for
Yxy(38.7828, 0.2614, 0.2975)
contains.

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Color

Yxy(38.9581, 0.2620, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	82AEC3
RGB	130, 174, 195
RGB Percent	51%, 68%, 76%
CMY	0.4902, 0.3176, 0.2352
CMYK	0.33, 0.11, 0.00, 0.24
HSL	199°, 35%, 64%
HSV	199°, 33%, 76%
XYZ	34.1944, 38.9581, 57.3604
YIQ	163.2380, -32.9650, -2.7970

Conversions

Conversions Part 2

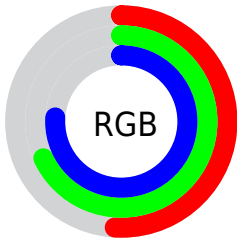
Format	Color
R _{YB}	130, 156, 195
Decimal	8564419
CIE _{Lab}	68.72, -9.57, -15.46
CIE _{LCh}	69, 18.177, 238.250
Y _{xy}	38.9581, 0.2620, 0.2985
Android (android.graphics.Color)	4286754499 (0xFF82AEC3)
Y _{UV}	163.2380, 15.6587, -29.1497
Hunter-Lab	62.4164, -11.4388, -10.7958

Details

The Yxy color **38.9581, 0.2620, 0.2985** is a light color, and the websafe version is hex **669999**. A complement of this color would be **35.3586, 0.3802, 0.3574**, and the grayscale version is **36.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3812, 0.2713, 0.3035**, and **17.4619, 0.2478, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **35.1812, 0.2477, 0.2876**, and if you desaturate by 10%, it is **43.1447, 0.2770, 0.3086**.

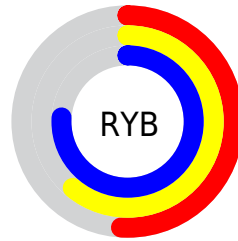
Distribution



Red (51%)

Green (68%)

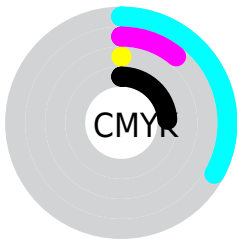
Blue (76%)



Red (51%)

Yellow (61%)

Blue (76%)

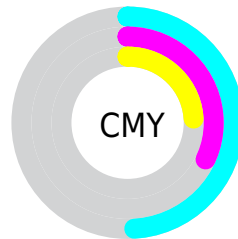


Cyan (33%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (49%)


Magenta (32%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9581, 0.2620, 0.2985 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 38.9581, 0.2620, 0.2985 by changing the saturation by 10% instead.


 38.9581, 0.2620,
0.2985

 38.9581, 0.2620,
0.2985


341.7123, 0.2877,
0.3145

 26.7271, 0.2555,
0.2943


 73.5743, 0.2714,
0.3045

 17.3684, 0.2472,
0.2888


 96.7283, 0.2749,
0.3067

 10.4975, 0.2361,
0.2812


 124.2922, 0.2778,
0.3085

 5.7300, 0.2205,
0.2703

156.6502, 0.2804,
0.3101

 2.6816, 0.1975,
0.2533

194.1869, 0.2826,
0.3114

 0.9679, 0.1584,
0.2241

237.2865, 0.2845,

 0.0000, 0.0000,

0.3126

0.0000

286.3335, 0.2862,
0.3136

■ 38.9581, 0.2620,
0.2985

■ 38.9581, 0.2620,
0.2985

■ 35.1812, 0.2477,
0.2876

■ 43.1447, 0.2770,
0.3086

■ 31.7913, 0.2343,
0.2761

■ 47.7533, 0.2923,
0.3179

■ 28.7702, 0.2224,
0.2642

■ 52.8010, 0.3076,
0.3264

■ 26.0958, 0.2122,
0.2519

■ 58.3026, 0.3228,
0.3340

■ 23.7431, 0.2039,
0.2396

■ 64.2720, 0.3375,
0.3408

■ 21.6820, 0.1976,
0.2274

■ 70.7227, 0.3516,
0.3468

■ 20.4348, 0.1943,
0.2193

■ 75.4167, 0.3564,
0.3527

■ 78.7524, 0.3550,
0.3590

■ 82.2139, 0.3536,
0.3652

Harmonies

Analogous

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



38.9581, 0.2660, 0.3201



38.9581, 0.2620, 0.2985



38.9581, 0.2708, 0.2862

Triad

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



38.9581, 0.2620, 0.2985



38.9581, 0.3435, 0.3124



38.9581, 0.3335, 0.3769

Complementary

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



38.9581, 0.2620, 0.2985



35.3586, 0.3802, 0.3574

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.



38.9581, 0.3555, 0.3723



38.9581, 0.2620, 0.2985



38.9581, 0.3617, 0.3346

Square

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



38.9581, 0.2620, 0.2985



38.9581, 0.3172, 0.2947



38.9581, 0.3661, 0.3564



38.9581, 0.3065, 0.3672

Rectangle

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



38.9581, 0.2620, 0.2985



38.9581, 0.2830, 0.2843



38.9581, 0.3661, 0.3564



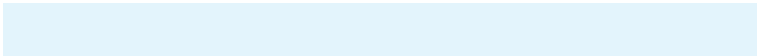
38.9581, 0.3417, 0.3769

Sweetspot

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



38.9596, 0.2620, 0.2985



88.2957, 0.2972, 0.3207



46.0080, 0.2943, 0.3950



19.0585, 0.2950, 0.3195



0.0000, 0.0000, 0.0000



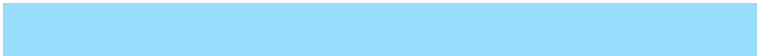
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9596, 0.2620, 0.2985



64.7629, 0.2515, 0.2907



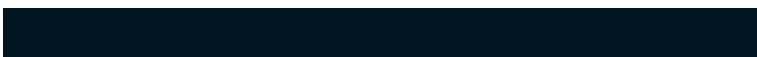
28.0106, 0.2558, 0.2495



10.8616, 0.2984, 0.3214



13.4359, 0.1947, 0.2210



0.7011, 0.2022, 0.2479

Inverse Universe

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



30.6274, 0.3383, 0.2717



48.2211, 0.3458, 0.2592



47.1265, 0.3669, 0.3975



10.1903, 0.3186, 0.3135



8.6386, 0.4222, 0.2099



0.3854, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 38.9581, 0.2620, 0.2985 looks on a white background.

Color Contrast Check

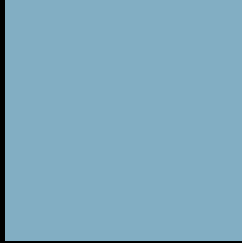
Large Text (above 18pt) WCAG AA × Fail

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 38.9581, 0.2620, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

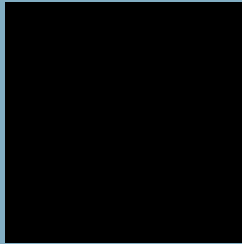
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

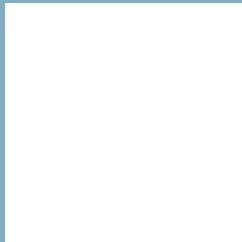
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9581, 0.2620, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 38.9581, 0.2620, 0.2985.



This preview shows how white text looks on a background with the Yxy color 38.9581, 0.2620, 0.2985.

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

38.9581, 0.2620, 0.2985

Protanopia

38.7767, 0.2903, 0.2960

Deuteranopia

38.6606, 0.2899, 0.2834



Tritanopia

39.0012, 0.2654, 0.3084

Trichromacy



Original Color

38.9581, 0.2620, 0.2985

Protanomaly

38.7610, 0.2791, 0.2967

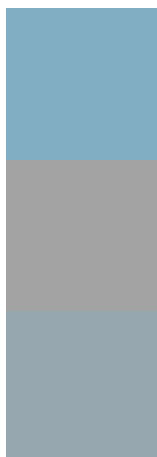
Deuteranomaly

38.5915, 0.2792, 0.2889

Tritanomaly

39.0887, 0.2641, 0.3055

Monochromacy



Original Color

38.9581, 0.2620, 0.2985

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3119, 0.2919, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9581, 0.2620, 0.2985 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(130, 174, 195)` looks like.

```
.text, #text, p{  
    color:rgb(130, 174, 195)  
}
```

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(130, 174, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 174, 195) }
```

Border

The CSS property to change the border of an element to Yxy 38.9581, 0.2620, 0.2985 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(130, 174, 195) }
```

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

```
.border{ border-color:rgb(130, 174, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 174, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 174, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 174, 195);  
box-shadow:4px 4px 4px 4px rgb(130, 174,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9581, 0.2620, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 174, 195) }
```

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

```
.background{ background-color: rgb(130,  
174, 195) }
```

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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