

Converting Colors

$Y_{xy}(38.3920, 0.2749, 0.3229)$

Have a look what the booklet for
Yxy(38.3920, 0.2749, 0.3229)
contains.

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Color

Yxy(38.3920, 0.2749, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	84AEB2
RGB	132, 174, 178
RGB Percent	52%, 68%, 70%
CMY	0.4825, 0.3176, 0.3019
CMYK	0.26, 0.02, 0.00, 0.30
HSL	185°, 23%, 61%
HSV	185°, 26%, 70%
XYZ	32.6849, 38.3920, 47.8206
YIQ	161.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

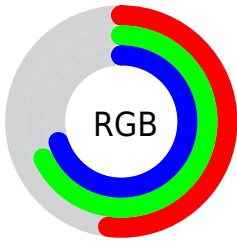
Format	Color
RYB	132, 154, 178
Decimal	8695474
CIELab	68.31, -13.10, -6.67
CIElCh	68, 14.698, 206.969
Yxy	38.3920, 0.2749, 0.3229
Android (android.graphics.Color)	4286885554 (0xFF84AEB2)
YUV	161.8980, 7.9383, -26.2205
Hunter-Lab	61.9613, -14.2725, -2.3860

Details

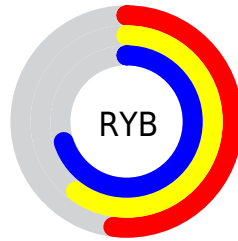
The Yxy color **38.3920, 0.2749, 0.3229** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.7352, 0.3652, 0.3350**, and the grayscale version is **36.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9732, 0.2818, 0.3244**, and **17.1491, 0.2643, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **36.4827, 0.2619, 0.3202**, and if you desaturate by 10%, it is **40.5562, 0.2889, 0.3254**.

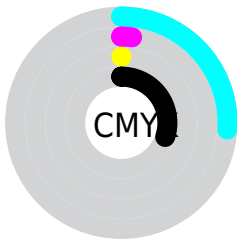
Distribution



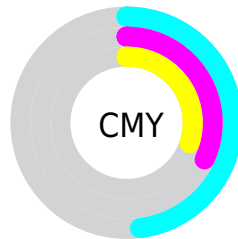
- Red (52%)
- Green (68%)
- Blue (70%)



- Red (52%)
- Yellow (60%)
- Blue (70%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (48%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3920, 0.2749, 0.3229 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 38.3920, 0.2749, 0.3229 by changing the saturation by 10% instead.


 38.3920, 0.2749,
0.3229


 38.3920, 0.2749,
0.3229


339.2986, 0.2942,
0.3263

 26.2871, 0.2700,
0.3219


 72.7086, 0.2820,
0.3242

 17.0385, 0.2635,
0.3206


 95.6890, 0.2847,
0.3247

 10.2620, 0.2548,
0.3187


 123.0634, 0.2869,
0.3251

 5.5730, 0.2425,
0.3157

155.2162, 0.2888,
0.3254

 2.5872, 0.2235,
0.3106

192.5316, 0.2904,
0.3257

 0.9202, 0.1827,
0.3032

235.3943, 0.2918,

 0.0000, 0.0000,

0.3259

0.0000

284.1885, 0.2931,
0.3261

■ 38.3920, 0.2749,
0.3229

■ 38.3920, 0.2749,
0.3229

■ 36.4827, 0.2619,
0.3202

■ 40.5562, 0.2889,
0.3254

■ 34.8113, 0.2503,
0.3174

■ 42.9822, 0.3038,
0.3277

■ 33.3656, 0.2402,
0.3145

■ 45.6825, 0.3191,
0.3299

■ 32.1309, 0.2319,
0.3116

■ 48.6672, 0.3346,
0.3318

■ 31.0902, 0.2255,
0.3086

■ 51.9461, 0.3501,
0.3335

■ 30.2241, 0.2209,
0.3057

■ 55.5283, 0.3654,
0.3350

■ 29.5076, 0.2180,
0.3027

■ 59.1219, 0.3789,
0.3364

■ 29.2332, 0.2171,
0.3015

■ 59.7744, 0.3785,
0.3380

■ 60.4341, 0.3780,
0.3396

Harmonies

Analogous

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



38.3920, 0.2885, 0.3435



38.3920, 0.2749, 0.3229



38.3920, 0.2711, 0.3050

Triad

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



38.3920, 0.2749, 0.3229



38.3920, 0.3155, 0.3004



38.3920, 0.3481, 0.3639

Complementary

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



38.3920, 0.2749, 0.3229



28.7352, 0.3652, 0.3350

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.



38.3920, 0.3561, 0.3509



38.3920, 0.2749, 0.3229



38.3920, 0.3369, 0.3148

Square

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



38.3920, 0.2749, 0.3229



38.3920, 0.2940, 0.2929



38.3920, 0.3520, 0.3330



38.3920, 0.3306, 0.3677

Rectangle

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



38.3920, 0.2749, 0.3229



38.3920, 0.2746, 0.2969



38.3920, 0.3520, 0.3330



38.3920, 0.3520, 0.3604

Sweetspot

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



38.3936, 0.2749, 0.3229



76.8818, 0.3004, 0.3272



38.5257, 0.3064, 0.3953



16.8841, 0.2981, 0.3269



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.3936, 0.2749, 0.3229



67.5858, 0.2674, 0.3214



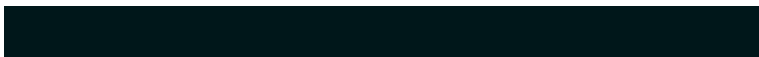
30.3010, 0.2717, 0.2874



9.5023, 0.2986, 0.3270



20.9561, 0.2172, 0.3019



0.6962, 0.2195, 0.3100

Inverse Universe

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



29.0164, 0.3198, 0.2709



47.8242, 0.3216, 0.2581



35.8717, 0.3573, 0.3673



8.6337, 0.3150, 0.3085



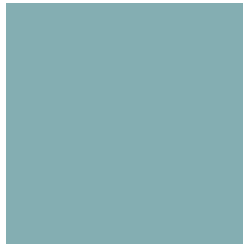
8.6557, 0.3438, 0.1667



0.2761, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 38.3920, 0.2749, 0.3229 looks on a white background.

Color Contrast Check

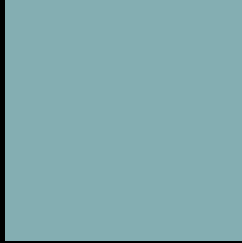
Large Text (above 18pt) WCAG AA × Fail

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 38.3920, 0.2749, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

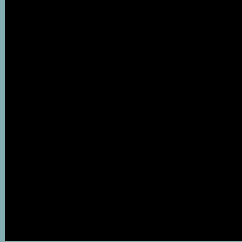
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

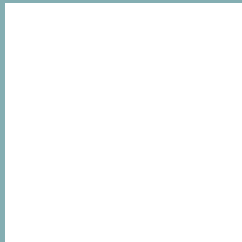
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3920, 0.2749, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 38.3920, 0.2749, 0.3229.



This preview shows how white text looks on a background with the Yxy color 38.3920, 0.2749, 0.3229.

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

38.3920, 0.2749, 0.3229

Protanopia

38.1429, 0.3077, 0.3178

Deuteranopia

37.9399, 0.3084, 0.3018



Tritanopia

38.5433, 0.2700, 0.3084

Trichromacy



Original Color

38.3920, 0.2749, 0.3229

Protanomaly

37.9704, 0.2945, 0.3189

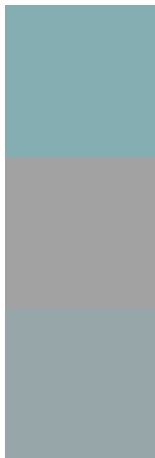
Deuteranomaly

37.9387, 0.2948, 0.3092

Tritanomaly

38.3344, 0.2714, 0.3127

Monochromacy



Original Color

38.3920, 0.2749, 0.3229

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.6789, 0.2975, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3920, 0.2749, 0.3229 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, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(132, 174, 178)  
}
```

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, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 174, 178) }
```

Border

The CSS property to change the border of an element to Yxy 38.3920, 0.2749, 0.3229 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, 174, 178) }
```

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

```
.border{ border-color:rgb(132, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(132, 174,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3920, 0.2749, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 174, 178) }
```

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

```
.background{ background-color: rgb(132,  
174, 178) }
```

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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