

Converting Colors

$Yxy(38.7368, 0.2743, 0.3274)$

Have a look what the booklet for
Yxy(38.7368, 0.2743, 0.3274)
contains.

Yxy(38.8921, 0.2737, 0.3274)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.8921, 0.2737, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	81B0B1
RGB	129, 176, 177
RGB Percent	51%, 69%, 69%
CMY	0.4941, 0.3098, 0.3059
CMYK	0.27, 0.01, 0.00, 0.31
HSL	181°, 24%, 60%
HSV	181°, 27%, 69%
XYZ	32.5130, 38.8921, 47.3856
YIQ	162.0610, -28.3330, -9.6530

Conversions

Conversions Part 2

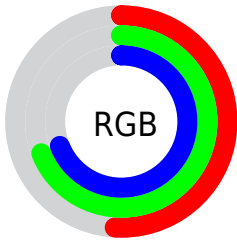
Format	Color
RYB	129, 153, 177
Decimal	8499377
CIELab	68.67, -15.29, -5.57
CIELCh	69, 16.270, 200.037
Yxy	38.8921, 0.2737, 0.3274
Android (android.graphics.Color)	4286689457 (0xFF81B0B1)
YUV	162.0610, 7.3649, -28.9945
Hunter-Lab	62.3635, -16.0758, -1.3958

Details

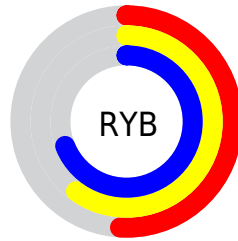
The Yxy color **38.8921, 0.2737, 0.3274** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.8926, 0.3697, 0.3306**, and the grayscale version is **36.1361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6637, 0.2807, 0.3278**, and **17.2409, 0.2627, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **37.4826, 0.2614, 0.3268**, and if you desaturate by 10%, it is **40.5452, 0.2873, 0.3280**.

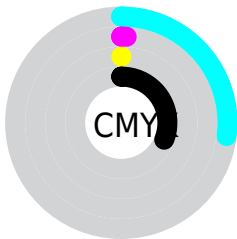
Distribution



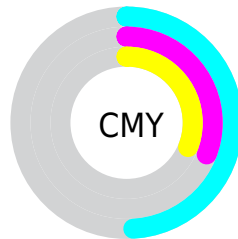
- Red (51%)
- Green (69%)
- Blue (69%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8921, 0.2737, 0.3274 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 38.8921, 0.2737, 0.3274 by changing the saturation by 10% instead.


 38.8921, 0.2737,
0.3274

 38.8921, 0.2737,
0.3274


341.4315, 0.2936,
0.3285


 26.6758, 0.2686,
0.3270


 73.4735, 0.2810,
0.3279

 17.3299, 0.2620,
0.3265


 96.6073, 0.2837,
0.3280

 10.4700, 0.2531,
0.3256


 124.1491, 0.2860,
0.3281

 5.7117, 0.2404,
0.3242

156.4833, 0.2880,
0.3282

 2.6706, 0.2211,
0.3215

193.9942, 0.2897,
0.3283

 0.9623, 0.1788,
0.3189

237.0663, 0.2911,

 0.0000, 0.0000,

0.3284

0.0000

286.0839, 0.2924,
0.3284

■ 38.8921, 0.2737,
0.3274

■ 38.8921, 0.2737,
0.3274

■ 37.4826, 0.2614,
0.3268

■ 40.5452, 0.2873,
0.3280

■ 36.2996, 0.2506,
0.3261

■ 42.4487, 0.3019,
0.3286

■ 35.3312, 0.2415,
0.3254

■ 44.6149, 0.3172,
0.3292

■ 34.5625, 0.2342,
0.3247

■ 47.0539, 0.3329,
0.3297

■ 33.9767, 0.2289,
0.3240

■ 49.7753, 0.3487,
0.3301

■ 33.5542, 0.2253,
0.3233

■ 52.7882, 0.3645,
0.3305

■ 33.2666, 0.2234,
0.3227

■ 56.1014, 0.3800,
0.3309

■ 33.1933, 0.2229,
0.3225

■ 56.6454, 0.3817,
0.3312

■ 56.7919, 0.3816,
0.3316

Harmonies

Analogous

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



38.8921, 0.2907, 0.3499



38.8921, 0.2737, 0.3274



38.8921, 0.2669, 0.3064

Triad

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



38.8921, 0.2737, 0.3274



38.8921, 0.3100, 0.2949



38.8921, 0.3549, 0.3649

Complementary

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



38.8921, 0.2737, 0.3274



26.8926, 0.3697, 0.3306

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.



38.8921, 0.3608, 0.3487



38.8921, 0.2737, 0.3274



38.8921, 0.3343, 0.3092

Square

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



38.8921, 0.2737, 0.3274



38.8921, 0.2873, 0.2888



38.8921, 0.3532, 0.3285



38.8921, 0.3375, 0.3719

Rectangle

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



38.8921, 0.2737, 0.3274



38.8921, 0.2689, 0.2962



38.8921, 0.3532, 0.3285



38.8921, 0.3583, 0.3603

Sweetspot

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



38.8937, 0.2737, 0.3274



75.6604, 0.3004, 0.3286



37.7156, 0.3085, 0.4042



16.2826, 0.2982, 0.3285



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.8937, 0.2737, 0.3274



67.9843, 0.2656, 0.3270



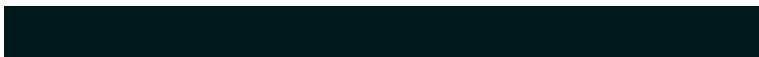
30.3606, 0.2701, 0.2903



9.6008, 0.2986, 0.3285



24.0624, 0.2229, 0.3226



0.7665, 0.2235, 0.3244

Inverse Universe

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



28.1803, 0.3168, 0.2640



45.3720, 0.3179, 0.2487



33.9751, 0.3609, 0.3648



8.6436, 0.3141, 0.3070



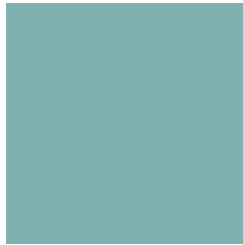
8.9692, 0.3261, 0.1570



0.2832, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 38.8921, 0.2737, 0.3274 looks on a white background.

Color Contrast Check

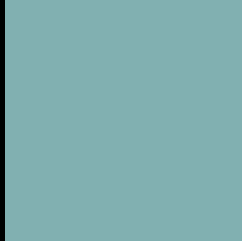
Large Text (above 18pt) WCAG AA × Fail

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 38.8921, 0.2737, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

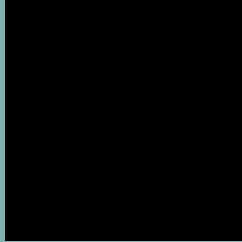
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8921, 0.2737, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 38.8921, 0.2737, 0.3274.

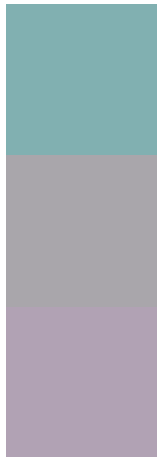


This preview shows how white text looks on a background with the Yxy color 38.8921, 0.2737, 0.3274.

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

38.8921, 0.2737, 0.3274

Protanopia

38.6477, 0.3112, 0.3220

Deuteranopia

38.4831, 0.3111, 0.3047



Tritanopia

38.7282, 0.2673, 0.3084

Trichromacy



Original Color

38.8921, 0.2737, 0.3274

Protanomaly

38.6366, 0.2961, 0.3246

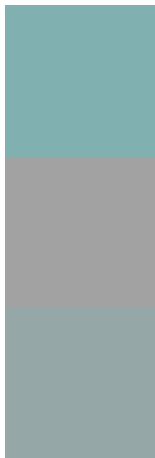
Deuteranomaly

38.3657, 0.2965, 0.3120

Tritanomaly

38.8665, 0.2695, 0.3156

Monochromacy



Original Color

38.8921, 0.2737, 0.3274

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.9115, 0.2974, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8921, 0.2737, 0.3274 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(129, 176, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 176, 177)  
}
```

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(129, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 176, 177) }
```

Border

The CSS property to change the border of an element to Yxy 38.8921, 0.2737, 0.3274 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(129, 176, 177) }
```

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

```
.border{ border-color:rgb(129, 176, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 176, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 176,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8921, 0.2737, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 176, 177) }
```

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

```
.background{ background-color: rgb(129,  
176, 177) }
```

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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