

Converting Colors

$Y_{xy}(38.8210, 0.2780, 0.3290)$

Have a look what the booklet for
Yxy(38.8210, 0.2780, 0.3290)
contains.

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Color

Yxy(38.7416, 0.2780, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	85AFAF
RGB	133, 175, 175
RGB Percent	52%, 69%, 69%
CMY	0.4782, 0.3138, 0.3138
CMYK	0.24, 0.00, 0.00, 0.31
HSL	180°, 21%, 60%
HSV	180°, 24%, 69%
XYZ	32.7460, 38.7416, 46.3038
YIQ	162.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

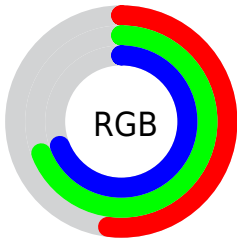
Format	Color
RYB	133, 154, 175
Decimal	8761263
CIELab	68.56, -13.98, -4.60
CIElCh	69, 14.718, 198.216
Yxy	38.7416, 0.2780, 0.3289
Android (android.graphics.Color)	4286951343 (0xFF85AF AF)
YUV	162.4420, 6.1911, -25.8206
Hunter-Lab	62.2428, -15.0157, -0.5373

Details

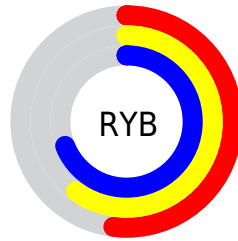
The Yxy color **38.7416, 0.2780, 0.3289** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.5983, 0.3615, 0.3291**, and the grayscale version is **36.3337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4298, 0.2848, 0.3301**, and **17.1430, 0.2671, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **37.4347, 0.2654, 0.3289**, and if you desaturate by 10%, it is **40.2889, 0.2918, 0.3289**.

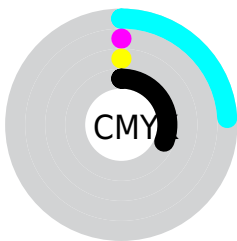
Distribution



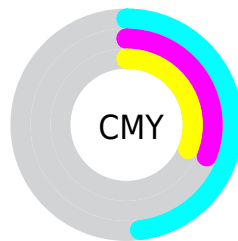
- Red (52%)
- Green (69%)
- Blue (69%)



- Red (52%)
- Yellow (60%)
- Blue (69%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (48%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7416, 0.2780, 0.3289 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 38.7416, 0.2780, 0.3289 by changing the saturation by 10% instead.

■ 38.7416, 0.2780,
0.3289

■ 38.7416, 0.2780,
0.3289

■ 340.7906, 0.2957,
0.3292

■ 26.5588, 0.2734,
0.3288

■ 73.2434, 0.2845,
0.3290

■ 17.2421, 0.2675,
0.3285

■ 96.3312, 0.2870,
0.3291

■ 10.4073, 0.2595,
0.3282

■ 123.8227, 0.2890,
0.3291

■ 5.6698, 0.2481,
0.3274

■ 156.1024, 0.2908,
0.3291

■ 2.6454, 0.2305,
0.3259

■ 193.5546, 0.2923,
0.3291

■ 0.9495, 0.1918,
0.3254

■ 236.5638, 0.2936,

■ 0.0000, 0.0000,

0.3292

0.0000

285.5144, 0.2947,
0.3292

■ 38.7416, 0.2780,
0.3289

■ 38.7416, 0.2780,
0.3289

■ 37.4347, 0.2654,
0.3289

■ 40.2889, 0.2918,
0.3289

■ 36.3519, 0.2543,
0.3288

■ 42.0830, 0.3066,
0.3290

■ 35.4818, 0.2448,
0.3288

■ 44.1355, 0.3221,
0.3290

■ 34.8106, 0.2372,
0.3288

■ 46.4562, 0.3379,
0.3291

■ 34.3225, 0.2315,
0.3288

■ 49.0543, 0.3539,
0.3291

■ 33.9996, 0.2277,
0.3288

■ 51.9384, 0.3698,
0.3292

■ 33.8200, 0.2255,
0.3288

■ 55.0125, 0.3848,
0.3292

■ 33.7518, 0.2247,
0.3288

■ 55.0126, 0.3848,
0.3292

■ 55.0126, 0.3848,
0.3292

Harmonies

Analogous

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



38.7416, 0.2939, 0.3490



38.7416, 0.2780, 0.3289



38.7416, 0.2712, 0.3096

Triad

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



38.7416, 0.2780, 0.3289



38.7416, 0.3090, 0.2974



38.7416, 0.3516, 0.3609

Complementary

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



38.7416, 0.2780, 0.3289



27.5983, 0.3615, 0.3291

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.



38.7416, 0.3561, 0.3460



38.7416, 0.2780, 0.3289



38.7416, 0.3310, 0.3101

Square

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



38.7416, 0.2780, 0.3289



38.7416, 0.2886, 0.2924



38.7416, 0.3485, 0.3275



38.7416, 0.3364, 0.3677

Rectangle

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



38.7416, 0.2780, 0.3289



38.7416, 0.2725, 0.3000



38.7416, 0.3485, 0.3275



38.7416, 0.3544, 0.3566

Sweetspot

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



38.7432, 0.2780, 0.3289



74.3123, 0.3019, 0.3290



37.4005, 0.3102, 0.3952



16.4745, 0.3010, 0.3290



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.



38.7432, 0.2780, 0.3289



68.0449, 0.2709, 0.3289



31.4365, 0.2755, 0.2976



9.0721, 0.2987, 0.3290



24.1728, 0.2247, 0.3288



0.6725, 0.2247, 0.3288

Inverse Universe

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



27.5983, 0.3615, 0.3291



44.4377, 0.3769, 0.3292



33.6972, 0.3548, 0.3584



8.0154, 0.3286, 0.3290



6.5268, 0.6401, 0.3300



0.1816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 38.7416, 0.2780, 0.3289 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 38.7416, 0.2780, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

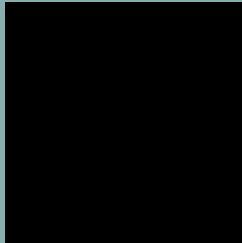
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

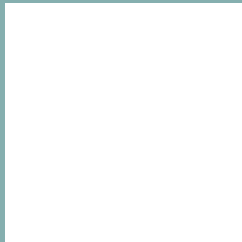
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7416, 0.2780, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 38.7416, 0.2780, 0.3289.

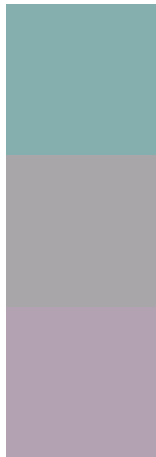


This preview shows how white text looks on a background with the Yxy color 38.7416, 0.2780, 0.3289.

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

38.7416, 0.2780, 0.3289

Protanopia

38.6097, 0.3121, 0.3234

Deuteranopia

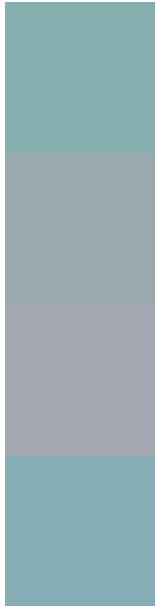
38.5200, 0.3137, 0.3074



Tritanopia

38.7092, 0.2715, 0.3085

Trichromacy



Original Color

38.7416, 0.2780, 0.3289

Protanomaly

38.4224, 0.2986, 0.3247

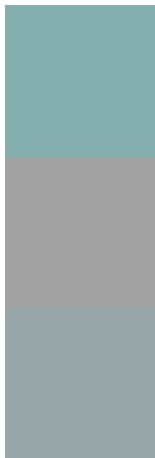
Deuteranomaly

38.4931, 0.2999, 0.3149

Tritanomaly

38.8419, 0.2737, 0.3157

Monochromacy



Original Color

38.7416, 0.2780, 0.3289

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.0068, 0.2983, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7416, 0.2780, 0.3289 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(133, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 175)  
}
```

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(133, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 175) }
```

Border

The CSS property to change the border of an element to Yxy 38.7416, 0.2780, 0.3289 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(133, 175, 175) }
```

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

```
.border{ border-color:rgb(133, 175, 175) }
```

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

Here you see how a box with a 4 pixel rgb(133, 175, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7416, 0.2780, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 175) }
```

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

```
.background{ background-color: rgb(133,  
175, 175) }
```

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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