

Converting Colors

$Y_{xy}(38.8091, 0.2901, 0.3521)$

Have a look what the booklet for
Yxy(38.8091, 0.2901, 0.3521)
contains.

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Color

Yxy(38.7748, 0.2898, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	87B0A1
RGB	135, 176, 161
RGB Percent	53%, 69%, 63%
CMY	0.4706, 0.3098, 0.3686
CMYK	0.23, 0.00, 0.09, 0.31
HSL	158°, 21%, 61%
HSV	158°, 23%, 69%
XYZ	31.9503, 38.7748, 39.5245
YIQ	162.0310, -19.6210, -13.3570

Conversions

Conversions Part 2

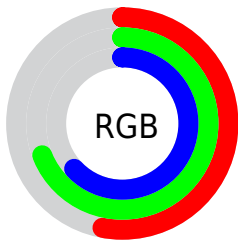
Format	Color
RYB	135, 160, 176
Decimal	8892577
CIELab	68.59, -16.95, 3.17
CIELCh	69, 17.241, 169.401
Yxy	38.7748, 0.2898, 0.3517
Android (android.graphics.Color)	4287082657 (0xFF87B0A1)
YUV	162.0310, -0.5083, -23.7062
Hunter-Lab	62.2694, -17.3834, 5.9552

Details

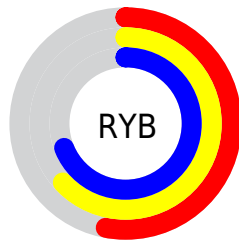
The Yxy color **38.7748, 0.2898, 0.3517** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.7591, 0.3429, 0.3075**, and the grayscale version is **36.1566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4899, 0.2941, 0.3473**, and **17.1765, 0.2819, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **37.2140, 0.2809, 0.3631**, and if you desaturate by 10%, it is **40.5918, 0.2994, 0.3413**.

Distribution



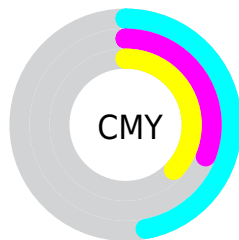
- Red (53%)
- Green (69%)
- Blue (63%)



- Red (53%)
- Yellow (63%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)




- Cyan (47%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7748, 0.2898, 0.3517 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 38.7748, 0.2898, 0.3517 by changing the saturation by 10% instead.


 38.7748, 0.2898,
0.3517


 38.7748, 0.2898,
0.3517


340.9321, 0.3017,
0.3399

 26.5846, 0.2867,
0.3548


 73.2942, 0.2942,
0.3473

 17.2615, 0.2826,
0.3590


 96.3921, 0.2959,
0.3456

 10.4211, 0.2770,
0.3647


 123.8947, 0.2972,
0.3443

 5.6790, 0.2689,
0.3731

156.1864, 0.2984,
0.3431

 2.6509, 0.2559,
0.3867

193.6516, 0.2994,
0.3421

 0.9523, 0.2172,
0.4222

236.6747, 0.3002,

 0.0000, 0.0000,

0.3413

0.0000

285.6401, 0.3010,
0.3405

■ 38.7748, 0.2898,
0.3517

■ 38.7748, 0.2898,
0.3517

■ 37.2140, 0.2809,
0.3631

■ 40.5918, 0.2994,
0.3413

■ 35.8926, 0.2731,
0.3753

■ 42.6715, 0.3094,
0.3319

■ 34.7991, 0.2665,
0.3883

■ 45.0259, 0.3196,
0.3234

■ 33.9193, 0.2615,
0.4019

■ 47.6650, 0.3298,
0.3159

■ 33.2372, 0.2584,
0.4158

■ 50.5982, 0.3399,
0.3093

■ 32.7345, 0.2572,
0.4299

■ 53.8345, 0.3497,
0.3034

■ 32.3893, 0.2579,
0.4437

■ 56.7707, 0.3565,
0.2980

■ 32.2146, 0.2591,
0.4529

■ 57.0899, 0.3509,
0.2916

■ 57.4221, 0.3454,
0.2852

Harmonies

Analogous

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



38.7748, 0.3145, 0.3693



38.7748, 0.2898, 0.3517



38.7748, 0.2717, 0.3278

Triad

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



38.7748, 0.2898, 0.3517



38.7748, 0.2853, 0.2864



38.7748, 0.3637, 0.3494

Complementary

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



38.7748, 0.2898, 0.3517



28.7591, 0.3429, 0.3075

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.



38.7748, 0.3553, 0.3280



38.7748, 0.2898, 0.3517



38.7748, 0.3093, 0.2927

Square

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



38.7748, 0.2898, 0.3517



38.7748, 0.2691, 0.2907



38.7748, 0.3351, 0.3076



38.7748, 0.3577, 0.3667

Rectangle

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



38.7748, 0.2898, 0.3517



38.7748, 0.2654, 0.3122



38.7748, 0.3351, 0.3076



38.7748, 0.3625, 0.3424

Sweetspot

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



38.7764, 0.2898, 0.3517



75.8886, 0.3055, 0.3354



39.2884, 0.3230, 0.3907



16.3988, 0.3049, 0.3359



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.



38.7764, 0.2898, 0.3517



68.7976, 0.2851, 0.3575



37.2362, 0.2782, 0.3207



9.5778, 0.3033, 0.3375



23.6469, 0.2587, 0.4515



0.7548, 0.2481, 0.4131

Inverse Universe

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



28.7591, 0.3429, 0.3075



47.3997, 0.3517, 0.3024



29.8718, 0.3580, 0.3371



8.5549, 0.3232, 0.3207



7.0571, 0.5480, 0.2793



0.2335, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 38.7748, 0.2898, 0.3517 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 38.7748, 0.2898, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

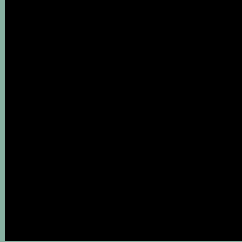
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

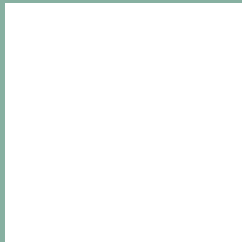
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7748, 0.2898, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 38.7748, 0.2898, 0.3517.



This preview shows how white text looks on a background with the Yxy color 38.7748, 0.2898, 0.3517.

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

38.7748, 0.2898, 0.3517

Protanopia

38.4434, 0.3271, 0.3431

Deuteranopia

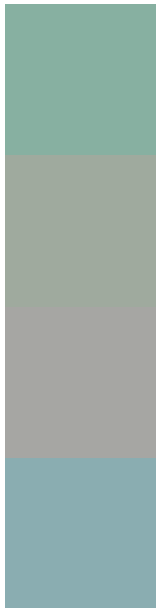
38.3604, 0.3322, 0.3250



Tritanopia

38.6257, 0.2751, 0.3086

Trichromacy



Original Color

38.7748, 0.2898, 0.3517

Protanomaly

38.5890, 0.3128, 0.3464

Deuteranomaly

38.0238, 0.3153, 0.3333

Tritanomaly

38.4647, 0.2801, 0.3230

Monochromacy



Original Color

38.7748, 0.2898, 0.3517

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.9215, 0.3033, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7748, 0.2898, 0.3517 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(135, 176, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 176, 161)  
}
```

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(135, 176, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 176, 161) }
```

Border

The CSS property to change the border of an element to Yxy 38.7748, 0.2898, 0.3517 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(135, 176, 161) }
```

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

```
.border{ border-color:rgb(135, 176, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 176, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 176, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 176, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 176,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7748, 0.2898, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 176, 161) }
```

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

```
.background{ background-color: rgb(135,  
176, 161) }
```

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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