

Converting Colors

$Y_{xy}(37.9718, 0.2733, 0.3233)$

Have a look what the booklet for
Yxy(37.9718, 0.2733, 0.3233)
contains.

Yxy(38.1136, 0.2734, 0.3244)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(38.1136, 0.2734, 0.3244)$

Conversions

Conversions Part 1

Format	Color
Hex	81AEB1
RGB	129, 174, 177
RGB Percent	51%, 68%, 69%
CMY	0.4942, 0.3176, 0.3059
CMYK	0.27, 0.02, 0.00, 0.31
HSL	184°, 24%, 60%
HSV	184°, 27%, 69%
XYZ	32.1216, 38.1136, 47.2543
YIQ	160.8870, -27.7830, -8.6070

Conversions

Conversions Part 2

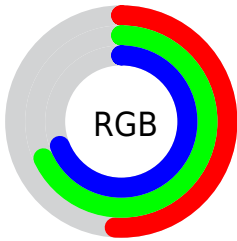
Format	Color
RYB	129, 152, 177
Decimal	8498865
CIELab	68.10, -14.24, -6.42
CIElCh	68, 15.621, 204.248
Yxy	38.1136, 0.2734, 0.3244
Android (android.graphics.Color)	4286688945 (0xFF81AEB1)
YUV	160.8870, 7.9437, -27.9649
Hunter-Lab	61.7362, -15.1640, -2.1665

Details

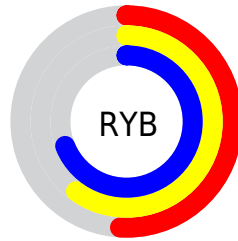
The Yxy color **38.1136, 0.2734, 0.3244** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4224, 0.3690, 0.3335**, and the grayscale version is **35.5560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5441, 0.2806, 0.3255**, and **16.9940, 0.2624, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **36.4241, 0.2608, 0.3225**, and if you desaturate by 10%, it is **40.0497, 0.2872, 0.3262**.

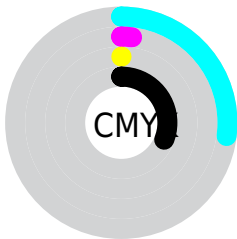
Distribution



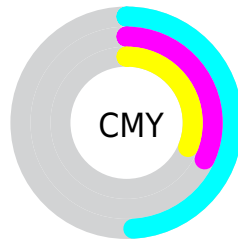
- Red (51%)
- Green (68%)
- Blue (69%)



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



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)





- Cyan (49%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1136, 0.2734, 0.3244 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 38.1136, 0.2734, 0.3244 by changing the saturation by 10% instead.

 38.1136, 0.2734,
0.3244


 38.1136, 0.2734,
0.3244

338.1070, 0.2935,
0.3271

 26.0709, 0.2682,
0.3236


 72.2822, 0.2808,
0.3255

 16.8767, 0.2615,
0.3225


 95.1769, 0.2836,
0.3258

 10.1466, 0.2525,
0.3209


 122.4577, 0.2859,
0.3261

 5.4963, 0.2396,
0.3184

154.5090, 0.2878,
0.3264

 2.5413, 0.2198,
0.3139

191.7152, 0.2895,
0.3266

 0.8972, 0.1739,
0.3089

234.4606, 0.2910,

 0.0000, 0.0000,

0.3268

0.0000

283.1298, 0.2923,
0.3269

■ 38.1136, 0.2734,
0.3244

■ 38.1136, 0.2734,
0.3244

■ 36.4241, 0.2608,
0.3225

■ 40.0497, 0.2872,
0.3262

■ 34.9643, 0.2496,
0.3205

■ 42.2392, 0.3019,
0.3279

■ 33.7221, 0.2400,
0.3184

■ 44.6946, 0.3171,
0.3294

■ 32.6827, 0.2322,
0.3164

■ 47.4259, 0.3327,
0.3308

■ 31.8291, 0.2264,
0.3143

■ 50.4427, 0.3484,
0.3321

■ 31.1420, 0.2223,
0.3122

■ 53.7541, 0.3638,
0.3332

■ 30.5927, 0.2199,
0.3102

■ 57.3689, 0.3790,
0.3342

■ 30.4449, 0.2193,
0.3096

■ 58.2215, 0.3805,
0.3353

■ 58.6764, 0.3801,
0.3365

Harmonies

Analogous

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



38.1136, 0.2886, 0.3463



38.1136, 0.2734, 0.3244



38.1136, 0.2684, 0.3048

Triad

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



38.1136, 0.2734, 0.3244



38.1136, 0.3135, 0.2975



38.1136, 0.3517, 0.3653

Complementary

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



38.1136, 0.2734, 0.3244



27.4224, 0.3690, 0.3335

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.



38.1136, 0.3591, 0.3507



38.1136, 0.2734, 0.3244



38.1136, 0.3366, 0.3123

Square

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



38.1136, 0.2734, 0.3244



38.1136, 0.2909, 0.2904



38.1136, 0.3536, 0.3314



38.1136, 0.3337, 0.3705

Rectangle

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



38.1136, 0.2734, 0.3244



38.1136, 0.2713, 0.2957



38.1136, 0.3536, 0.3314



38.1136, 0.3555, 0.3612

Sweetspot

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



38.1151, 0.2734, 0.3244



75.2394, 0.3004, 0.3277



37.7558, 0.3073, 0.4016



16.1749, 0.2982, 0.3275



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.



38.1151, 0.2734, 0.3244



66.2714, 0.2651, 0.3232



29.8390, 0.2699, 0.2877



9.5393, 0.2986, 0.3275



22.0934, 0.2194, 0.3098



0.7222, 0.2210, 0.3155

Inverse Universe

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



28.0971, 0.3189, 0.2665



45.1991, 0.3206, 0.2518



34.5019, 0.3603, 0.3670



8.6374, 0.3147, 0.3079



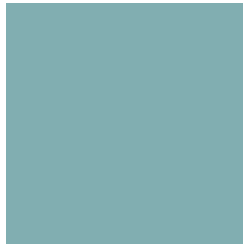
8.7705, 0.3369, 0.1630



0.2787, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 38.1136, 0.2734, 0.3244 looks on a white background.

Color Contrast Check

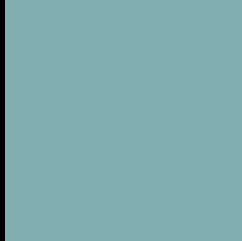
Large Text (above 18pt) WCAG AA × Fail

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 38.1136, 0.2734, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

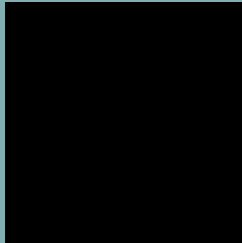
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

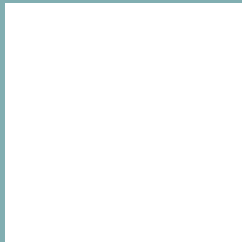
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1136, 0.2734, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 38.1136, 0.2734, 0.3244.

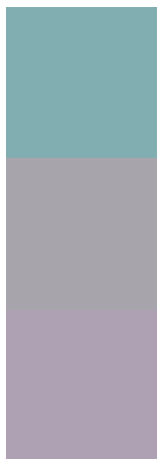


This preview shows how white text looks on a background with the Yxy color 38.1136, 0.2734, 0.3244.

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

38.1136, 0.2734, 0.3244

Protanopia

38.0660, 0.3094, 0.3206

Deuteranopia

37.8990, 0.3093, 0.3031



Tritanopia

38.2576, 0.2685, 0.3097

Trichromacy



Original Color

38.1136, 0.2734, 0.3244

Protanomaly

37.7947, 0.2952, 0.3217

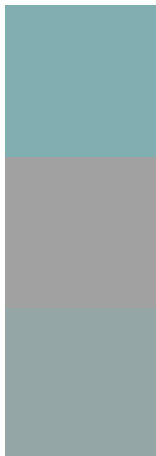
Deuteranomaly

37.7962, 0.2947, 0.3105

Tritanomaly

38.0519, 0.2698, 0.3140

Monochromacy



Original Color

38.1136, 0.2734, 0.3244

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4520, 0.2965, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1136, 0.2734, 0.3244 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, 174, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 174, 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, 174, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 174, 177) }
```

Border

The CSS property to change the border of an element to Yxy 38.1136, 0.2734, 0.3244 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, 174, 177) }
```

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

```
.border{ border-color:rgb(129, 174, 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, 174, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 174, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 174, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 174,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1136, 0.2734, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 174, 177) }
```

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

```
.background{ background-color: rgb(129,  
174, 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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