

Converting Colors

$Y_{xy}(36.6794, 0.2803, 0.3274)$

Have a look what the booklet for
Yxy(36.6794, 0.2803, 0.3274)
contains.

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Color

Yxy(36.6763, 0.2803, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	85AAAB
RGB	133, 170, 171
RGB Percent	52%, 67%, 67%
CMY	0.4783, 0.3333, 0.3295
CMYK	0.22, 0.01, 0.00, 0.33
HSL	182°, 18%, 60%
HSV	182°, 22%, 67%
XYZ	31.4000, 36.6763, 43.9466
YIQ	159.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

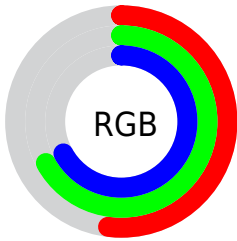
Format	Color
R _Y B	133, 152, 171
Decimal	8759979
CIE Lab	67.03, -12.26, -4.64
CIE LCh	67, 13.105, 200.748
Yxy	36.6763, 0.2803, 0.3274
Android (android.graphics.Color)	4286950059 (0xFF85AAAB)
YUV	159.0510, 5.8909, -22.8467
Hunter-Lab	60.5610, -13.4319, -0.6316

Details

The Yxy color **36.6763, 0.2803, 0.3274** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4050, 0.3566, 0.3306**, and the grayscale version is **34.6781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9062, 0.2867, 0.3278**, and **16.0826, 0.2699, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **35.2303, 0.2673, 0.3266**, and if you desaturate by 10%, it is **38.3524, 0.2944, 0.3282**.

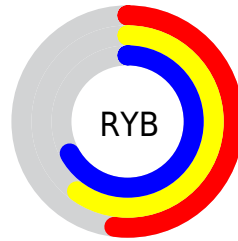
Distribution



Red (52%)

Green (67%)

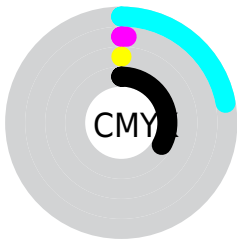
Blue (67%)



Red (52%)

Yellow (60%)

Blue (67%)

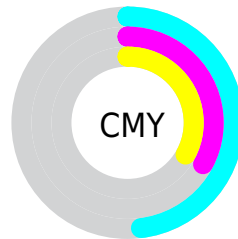


Cyan (22%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6763, 0.2803, 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 36.6763, 0.2803, 0.3274 by changing the saturation by 10% instead.

■ 36.6763, 0.2803,
0.3274

■ 36.6763, 0.2803,
0.3274

■ 331.9069, 0.2970,
0.3284

■ 24.9570, 0.2760,
0.3271

■ 70.0747, 0.2865,
0.3278

■ 16.0450, 0.2703,
0.3266

■ 92.5225, 0.2888,
0.3280

■ 9.5560, 0.2625,
0.3259

■ 119.3152, 0.2907,
0.3281

■ 5.1056, 0.2513,
0.3246

■ 150.8373, 0.2923,
0.3282

■ 2.3093, 0.2338,
0.3223

■ 187.4731, 0.2938,
0.3283

■ 0.7786, 0.1832,
0.3235

■ 229.6071, 0.2950,

■ 0.0000, 0.0000,

0.3283

0.0000

277.6236, 0.2961,
0.3284

■ 36.6763, 0.2803,
0.3274

■ 36.6763, 0.2803,
0.3274

■ 35.2303, 0.2673,
0.3266

■ 38.3524, 0.2944,
0.3282

■ 33.9990, 0.2557,
0.3258

■ 40.2644, 0.3093,
0.3289

■ 32.9720, 0.2457,
0.3249

■ 42.4233, 0.3248,
0.3295

■ 32.1364, 0.2375,
0.3241

■ 44.8382, 0.3406,
0.3301

■ 31.4776, 0.2311,
0.3232

■ 47.5177, 0.3563,
0.3306

■ 30.9791, 0.2266,
0.3223

■ 50.4699, 0.3719,
0.3311

■ 30.6212, 0.2238,
0.3215

■ 53.7028, 0.3872,
0.3315

■ 30.4061, 0.2225,
0.3208

■ 54.3046, 0.3890,
0.3319

■ 54.4766, 0.3889,
0.3324

Harmonies

Analogous

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



36.6763, 0.2942, 0.3457



36.6763, 0.2803, 0.3274



36.6763, 0.2749, 0.3103

Triad

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



36.6763, 0.2803, 0.3274



36.6763, 0.3111, 0.3009



36.6763, 0.3471, 0.3588

Complementary

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



36.6763, 0.2803, 0.3274



27.4050, 0.3566, 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.



36.6763, 0.3521, 0.3459



36.6763, 0.2803, 0.3274



36.6763, 0.3309, 0.3130

Square

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



36.6763, 0.2803, 0.3274



36.6763, 0.2922, 0.2958



36.6763, 0.3461, 0.3292



36.6763, 0.3328, 0.3641

Rectangle

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



36.6763, 0.2803, 0.3274



36.6763, 0.2767, 0.3019



36.6763, 0.3461, 0.3292



36.6763, 0.3500, 0.3552

Sweetspot

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



36.6778, 0.2803, 0.3274



70.3819, 0.3019, 0.3285



35.8221, 0.3094, 0.3886



15.6520, 0.3011, 0.3285



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.6778, 0.2803, 0.3274



64.2800, 0.2733, 0.3270



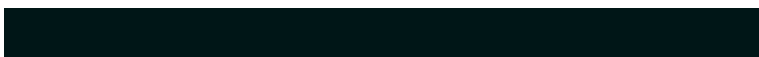
30.1822, 0.2782, 0.2982



9.0357, 0.2987, 0.3284



22.9374, 0.2225, 0.3209



0.6490, 0.2232, 0.3235

Inverse Universe

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



28.3407, 0.3163, 0.2763



46.5117, 0.3172, 0.2637



33.0156, 0.3508, 0.3579



8.1444, 0.3141, 0.3072



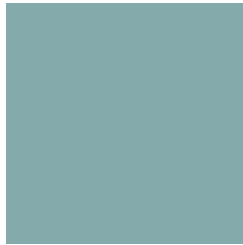
8.6186, 0.3274, 0.1577



0.2409, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 36.6763, 0.2803, 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 36.6763, 0.2803, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

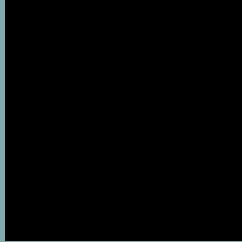
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6763, 0.2803, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 36.6763, 0.2803, 0.3274.

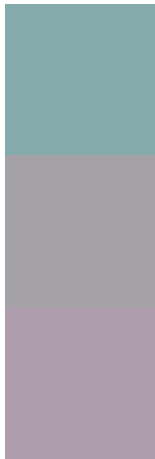


This preview shows how white text looks on a background with the Yxy color 36.6763, 0.2803, 0.3274.

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

36.6763, 0.2803, 0.3274

Protanopia

36.4863, 0.3111, 0.3233

Deuteranopia

36.4695, 0.3146, 0.3083



Tritanopia

36.5336, 0.2736, 0.3081

Trichromacy



Original Color

36.6763, 0.2803, 0.3274

Protanomaly

36.5097, 0.2992, 0.3246

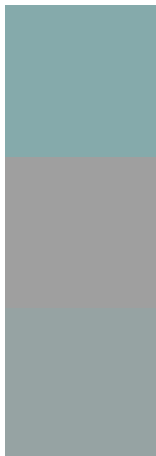
Deuteranomaly

36.1901, 0.3013, 0.3146

Tritanomaly

36.6586, 0.2758, 0.3154

Monochromacy



Original Color

36.6763, 0.2803, 0.3274

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3228, 0.3007, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6763, 0.2803, 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(133, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 170, 171)  
}
```

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, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 171) }
```

Border

The CSS property to change the border of an element to Yxy 36.6763, 0.2803, 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(133, 170, 171) }
```

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

```
.border{ border-color:rgb(133, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 170,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6763, 0.2803, 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(133, 170, 171) }
```

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

```
.background{ background-color: rgb(133,  
170, 171) }
```

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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