

Converting Colors

$Yxy(35.6828, 0.2703, 0.3273)$

Have a look what the booklet for
Yxy(35.6828, 0.2703, 0.3273)
contains.

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Color

Yxy(35.6828, 0.2703, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	78AAAB
RGB	120, 170, 171
RGB Percent	47%, 67%, 67%
CMY	0.5295, 0.3333, 0.3293
CMYK	0.30, 0.01, 0.00, 0.33
HSL	181°, 23%, 57%
HSV	181°, 30%, 67%
XYZ	29.4686, 35.6828, 43.8703
YIQ	155.1640, -30.1210, -10.2890

Conversions

Conversions Part 2

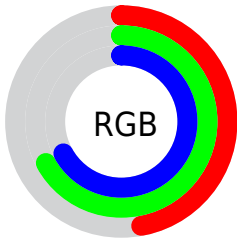
Format	Color
RYB	120, 145, 171
Decimal	7908011
CIELab	66.28, -16.23, -5.86
CIELCh	66, 17.257, 199.856
Yxy	35.6828, 0.2703, 0.3273
Android (android.graphics.Color)	4286098091 (0xFF78AAAB)
YUV	155.1640, 7.8071, -30.8388
Hunter-Lab	59.7351, -16.4786, -1.7289

Details

The Yxy color **35.6828, 0.2703, 0.3273** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.6835, 0.3773, 0.3307**, and the grayscale version is **32.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3401, 0.2787, 0.3277**, and **15.5540, 0.2575, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **34.4426, 0.2584, 0.3267**, and if you desaturate by 10%, it is **37.1445, 0.2835, 0.3279**.

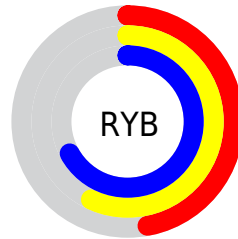
Distribution



Red (47%)

Green (67%)

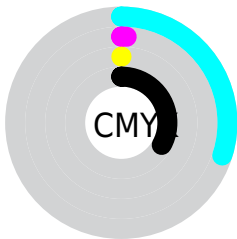
Blue (67%)



Red (47%)

Yellow (57%)

Blue (67%)

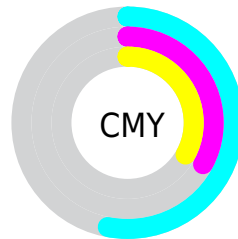


Cyan (30%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6828, 0.2703, 0.3273 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 35.6828, 0.2703, 0.3273 by changing the saturation by 10% instead.


 35.6828, 0.2703,
0.3273


 35.6828, 0.2703,
0.3273


327.5720, 0.2922,
0.3285


 24.1893, 0.2646,
0.3269


 68.5422, 0.2784,
0.3278

 15.4741, 0.2572,
0.3262


 90.6769, 0.2814,
0.3280

 9.1528, 0.2470,
0.3252


 117.1275, 0.2839,
0.3281

 4.8410, 0.2324,
0.3235

148.2783, 0.2861,
0.3282

 2.1543, 0.2096,
0.3199

184.5137, 0.2879,
0.3283

 0.6949, 0.1235,
0.3247

226.2183, 0.2895,

 0.0000, 0.0000,

0.3284

0.0000

273.7762, 0.2910,
0.3285

■ 35.6828, 0.2703,
0.3273

■ 35.6828, 0.2703,
0.3273

■ 34.4426, 0.2584,
0.3267

■ 37.1445, 0.2835,
0.3279

■ 33.4081, 0.2481,
0.3260

■ 38.8342, 0.2979,
0.3285

■ 32.5679, 0.2395,
0.3254

■ 40.7634, 0.3129,
0.3290

■ 31.9080, 0.2327,
0.3247

■ 42.9416, 0.3285,
0.3295

■ 31.4123, 0.2279,
0.3240

■ 45.3777, 0.3443,
0.3299

■ 31.0620, 0.2248,
0.3234

■ 48.0802, 0.3601,
0.3303

■ 30.8166, 0.2230,
0.3228

■ 51.0571, 0.3757,
0.3307

■ 30.8131, 0.2230,
0.3228

■ 53.9774, 0.3893,
0.3310

■ 54.1068, 0.3892,
0.3314

Harmonies

Analogous

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



35.6828, 0.2888, 0.3520



35.6828, 0.2703, 0.3273



35.6828, 0.2629, 0.3044

Triad

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



35.6828, 0.2703, 0.3273



35.6828, 0.3095, 0.2919



35.6828, 0.3588, 0.3680

Complementary

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



35.6828, 0.2703, 0.3273



23.6835, 0.3773, 0.3307

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.



35.6828, 0.3652, 0.3502



35.6828, 0.2703, 0.3273



35.6828, 0.3361, 0.3073

Square

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



35.6828, 0.2703, 0.3273



35.6828, 0.2848, 0.2853



35.6828, 0.3568, 0.3283



35.6828, 0.3399, 0.3759

Rectangle

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



35.6828, 0.2703, 0.3273



35.6828, 0.2650, 0.2933



35.6828, 0.3568, 0.3283



35.6828, 0.3625, 0.3629

Sweetspot

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



35.6842, 0.2703, 0.3273



69.7600, 0.2989, 0.3285



34.4989, 0.3081, 0.4128



15.4542, 0.2968, 0.3284



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.



35.6842, 0.2703, 0.3273



62.3448, 0.2621, 0.3269



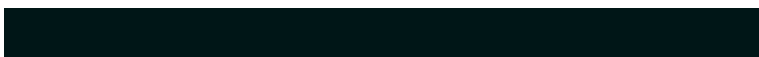
27.0726, 0.2658, 0.2860



9.0445, 0.2987, 0.3285



23.2330, 0.2230, 0.3228



0.6547, 0.2235, 0.3247

Inverse Universe

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



24.9871, 0.3172, 0.2576



40.0289, 0.3183, 0.2417



30.6785, 0.3665, 0.3684



8.1453, 0.3141, 0.3071



8.6484, 0.3258, 0.1569



0.2414, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 35.6828, 0.2703, 0.3273 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 35.6828, 0.2703, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

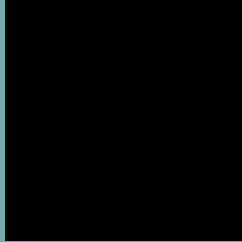
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

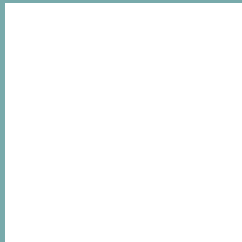
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6828, 0.2703, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 35.6828, 0.2703, 0.3273.

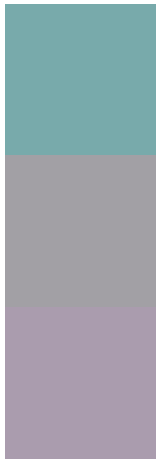


This preview shows how white text looks on a background with the Yxy color 35.6828, 0.2703, 0.3273.

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

35.6828, 0.2703, 0.3273

Protanopia

35.5396, 0.3102, 0.3218

Deuteranopia

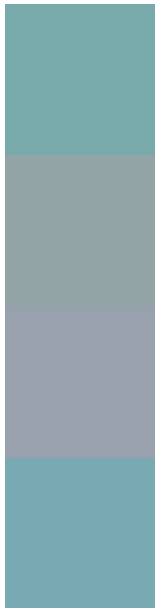
35.3790, 0.3100, 0.3038



Tritanopia

35.5202, 0.2638, 0.3075

Trichromacy



Original Color

35.6828, 0.2703, 0.3273

Protanomaly

35.5440, 0.2947, 0.3245

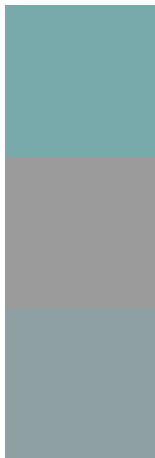
Deuteranomaly

35.1823, 0.2941, 0.3114

Tritanomaly

35.6552, 0.2660, 0.3150

Monochromacy



Original Color

35.6828, 0.2703, 0.3273

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4656, 0.2951, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6828, 0.2703, 0.3273 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(120, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 170, 171) }
```

Border

The CSS property to change the border of an element to Yxy 35.6828, 0.2703, 0.3273 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(120, 170, 171) }
```

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

```
.border{ border-color:rgb(120, 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(120, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 170,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6828, 0.2703, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 170, 171) }
```

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

```
.background{ background-color: rgb(120,  
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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