

Converting Colors

$Y_{xy}(35.6988, 0.2847, 0.3274)$

Have a look what the booklet for
Yxy(35.6988, 0.2847, 0.3274)
contains.

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Color

Yxy(35.6988, 0.2847, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	88A7A8
RGB	136, 167, 168
RGB Percent	53%, 65%, 66%
CMY	0.4665, 0.3451, 0.3412
CMYK	0.19, 0.01, 0.00, 0.34
HSL	182°, 16%, 60%
HSV	182°, 19%, 66%
XYZ	31.0429, 35.6988, 42.2956
YIQ	157.8450, -18.7970, -6.2610

Conversions

Conversions Part 2

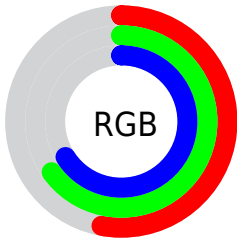
Format	Color
RYB	136, 152, 168
Decimal	8955816
CIELab	66.29, -10.36, -4.05
CIELCh	66, 11.126, 201.353
Yxy	35.6988, 0.2847, 0.3274
Android (android.graphics.Color)	4287145896 (0xFF88A7A8)
YUV	157.8450, 5.0064, -19.1581
Hunter-Lab	59.7485, -11.8184, -0.1471

Details

The Yxy color **35.6988, 0.2847, 0.3274** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0013, 0.3488, 0.3306**, and the grayscale version is **34.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5174, 0.2903, 0.3278**, and **15.4537, 0.2755, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **34.2107, 0.2713, 0.3265**, and if you desaturate by 10%, it is **37.4111, 0.2991, 0.3283**.

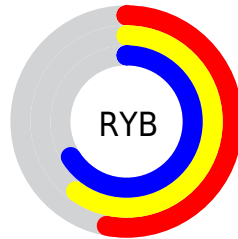
Distribution



Red (53%)

Green (65%)

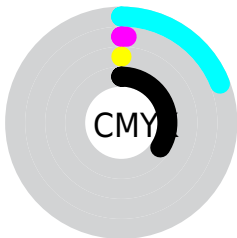
Blue (66%)



Red (53%)

Yellow (60%)

Blue (66%)

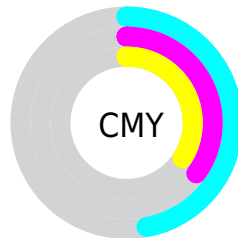


Cyan (19%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (47%)


Magenta (35%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6988, 0.2847, 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 35.6988, 0.2847, 0.3274 by changing the saturation by 10% instead.


 35.6988, 0.2847,
0.3274


 35.6988, 0.2847,
0.3274


327.6421, 0.2992,
0.3284


 24.2017, 0.2809,
0.3271


 68.5669, 0.2901,
0.3278

 15.4833, 0.2759,
0.3267


 90.7067, 0.2921,
0.3279

 9.1593, 0.2690,
0.3260


 117.1628, 0.2938,
0.3280

 4.8452, 0.2591,
0.3249

148.3196, 0.2952,
0.3281

 2.1567, 0.2433,
0.3228

184.5616, 0.2964,
0.3282

 0.6962, 0.1903,
0.3241

226.2731, 0.2975,

 0.0000, 0.0000,

0.3283

0.0000

273.8384, 0.2984,
0.3283

■ 35.6988, 0.2847,
0.3274

■ 35.6988, 0.2847,
0.3274

■ 34.2107, 0.2713,
0.3265

■ 37.4111, 0.2991,
0.3283

■ 32.9321, 0.2592,
0.3255

■ 39.3528, 0.3142,
0.3291

■ 31.8535, 0.2486,
0.3245

■ 41.5343, 0.3298,
0.3298

■ 30.9627, 0.2397,
0.3235

■ 43.9642, 0.3455,
0.3305

■ 30.2465, 0.2327,
0.3224

■ 46.6505, 0.3612,
0.3311

■ 29.6897, 0.2275,
0.3214

■ 49.6011, 0.3766,
0.3316

■ 29.2746, 0.2242,
0.3204

■ 52.8232, 0.3916,
0.3321

■ 28.9666, 0.2222,
0.3194

■ 53.2801, 0.3927,
0.3326

■ 28.9380, 0.2220,
0.3193

■ 53.4782, 0.3925,
0.3331

Harmonies

Analogous

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



35.6988, 0.2966, 0.3430



35.6988, 0.2847, 0.3274



35.6988, 0.2802, 0.3128

Triad

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



35.6988, 0.2847, 0.3274



35.6988, 0.3117, 0.3050



35.6988, 0.3420, 0.3548

Complementary

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



35.6988, 0.2847, 0.3274



28.0013, 0.3488, 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.



35.6988, 0.3464, 0.3439



35.6988, 0.2847, 0.3274



35.6988, 0.3287, 0.3155

Square

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



35.6988, 0.2847, 0.3274



35.6988, 0.2954, 0.3004



35.6988, 0.3415, 0.3296



35.6988, 0.3297, 0.3590

Rectangle

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



35.6988, 0.2847, 0.3274



35.6988, 0.2818, 0.3056



35.6988, 0.3415, 0.3296



35.6988, 0.3445, 0.3517

Sweetspot

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



35.7003, 0.2847, 0.3274



68.8784, 0.3034, 0.3285



35.0328, 0.3099, 0.3790



14.9667, 0.3025, 0.3285



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



35.7003, 0.2847, 0.3274



63.5532, 0.2787, 0.3270



30.3516, 0.2833, 0.3031



8.4914, 0.2987, 0.3283



21.8697, 0.2221, 0.3194



0.5440, 0.2230, 0.3227

Inverse Universe

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



28.7313, 0.3159, 0.2842



48.4788, 0.3167, 0.2737



32.7361, 0.3446, 0.3536



7.6625, 0.3142, 0.3074



8.2788, 0.3287, 0.1584



0.2026, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 35.6988, 0.2847, 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 35.6988, 0.2847, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

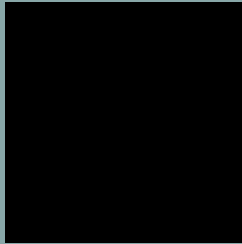
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

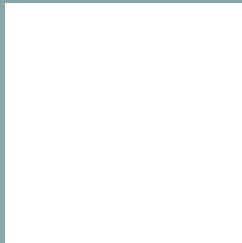
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6988, 0.2847, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 35.6988, 0.2847, 0.3274.



This preview shows how white text looks on a background with the Yxy color 35.6988, 0.2847, 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

35.6988, 0.2847, 0.3274

Protanopia

35.6085, 0.3120, 0.3232

Deuteranopia

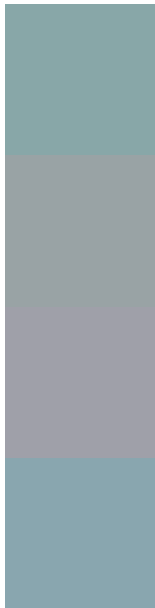
35.4499, 0.3156, 0.3094



Tritanopia

35.5682, 0.2778, 0.3080

Trichromacy



Original Color

35.6988, 0.2847, 0.3274

Protanomaly

35.6833, 0.3017, 0.3260

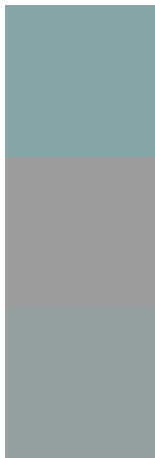
Deuteranomaly

35.3771, 0.3039, 0.3159

Tritanomaly

35.6859, 0.2801, 0.3154

Monochromacy



Original Color

35.6988, 0.2847, 0.3274

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5824, 0.3015, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6988, 0.2847, 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(136, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(136, 167, 168)  
}
```

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(136, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 167, 168) }
```

Border

The CSS property to change the border of an element to Yxy 35.6988, 0.2847, 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(136, 167, 168) }
```

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

```
.border{ border-color:rgb(136, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(136, 167,  
168) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.6988, 0.2847, 0.3274$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 167, 168) }
```

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

```
.background{ background-color: rgb(136,  
167, 168) }
```

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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