

Converting Colors

$Yxy(42.7138, 0.2747, 0.3311)$

Have a look what the booklet for
Yxy(42.7138, 0.2747, 0.3311)
contains.

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Color

Yxy(42.7267, 0.2750, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	86B8B6
RGB	134, 184, 182
RGB Percent	53%, 72%, 71%
CMY	0.4746, 0.2784, 0.2863
CMYK	0.27, 0.00, 0.01, 0.28
HSL	178°, 26%, 62%
HSV	178°, 27%, 72%
XYZ	35.4124, 42.7267, 50.6333
YIQ	168.8220, -29.1580, -11.2220

Conversions

Conversions Part 2

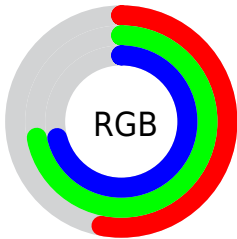
Format	Color
RYB	134, 160, 184
Decimal	8829110
CIELab	71.37, -16.81, -4.31
CIElCh	71, 17.351, 194.392
Yxy	42.7267, 0.2750, 0.3318
Android (android.graphics.Color)	4287019190 (0xFF86B8B6)
YUV	168.8220, 6.4968, -30.5389
Hunter-Lab	65.3657, -17.6860, -0.1711

Details

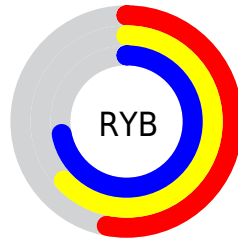
The Yxy color **42.7267, 0.2750, 0.3318** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.0136, 0.3682, 0.3263**, and the grayscale version is **39.5604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1846, 0.2816, 0.3311**, and **19.6114, 0.2641, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **41.3154, 0.2632, 0.3330**, and if you desaturate by 10%, it is **44.4047, 0.2881, 0.3307**.

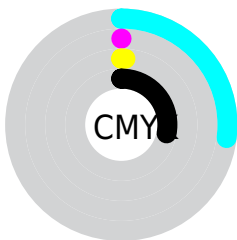
Distribution



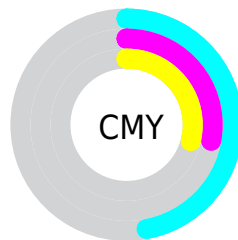
- Red (53%)
- Green (72%)
- Blue (71%)



- Red (53%)
- Yellow (63%)
- Blue (72%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)




- Cyan (47%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7267, 0.2750, 0.3318 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 42.7267, 0.2750, 0.3318 by changing the saturation by 10% instead.


 42.7267, 0.2750,
0.3318

 42.7267, 0.2750,
0.3318


357.4866, 0.2940,
0.3306

 29.6707, 0.2702,
0.3320


 79.2983, 0.2819,
0.3314

 19.5888, 0.2641,
0.3323


 103.5827, 0.2845,
0.3313

 12.0965, 0.2559,
0.3325


 132.3787, 0.2867,
0.3311

 6.8094, 0.2444,
0.3328


166.0707, 0.2886,
0.3310

 3.3432, 0.2272,
0.3327

205.0431, 0.2902,
0.3309

 1.3134, 0.1986,
0.3318

249.6803, 0.2916,

 0.1516, 0.0000,

0.3308

0.2452

300.3667, 0.2929,
0.3307

0.0000, 0.0000,
0.0000

42.7267, 0.2750,
0.3318

42.7267, 0.2750,
0.3318

41.3154, 0.2632,
0.3330

44.4047, 0.2881,
0.3307

40.1520, 0.2529,
0.3342

46.3567, 0.3022,
0.3297

39.2233, 0.2443,
0.3355

48.5965, 0.3169,
0.3287

38.5130, 0.2376,
0.3368

51.1351, 0.3321,
0.3279

38.0024, 0.2328,
0.3381

53.9831, 0.3475,
0.3272

■ 37.6699, 0.2298,
0.3394

■ 57.1505, 0.3628,
0.3265

■ 37.4847, 0.2284,
0.3407

■ 59.1400, 0.3712,
0.3259

■ 37.4430, 0.2281,
0.3411

■ 59.1718, 0.3706,
0.3251

■ 59.2038, 0.3699,
0.3243

Harmonies

Analogous

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



42.7267, 0.2941, 0.3546



42.7267, 0.2750, 0.3318



42.7267, 0.2659, 0.3093

Triad

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



42.7267, 0.2750, 0.3318



42.7267, 0.3051, 0.2919



42.7267, 0.3585, 0.3634

Complementary

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



42.7267, 0.2750, 0.3318



29.0136, 0.3682, 0.3263

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.



42.7267, 0.3620, 0.3456



42.7267, 0.2750, 0.3318



42.7267, 0.3305, 0.3053

Square

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



42.7267, 0.2750, 0.3318



42.7267, 0.2827, 0.2874



42.7267, 0.3516, 0.3245



42.7267, 0.3424, 0.3729

Rectangle

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



42.7267, 0.2750, 0.3318



42.7267, 0.2664, 0.2977



42.7267, 0.3516, 0.3245



42.7267, 0.3612, 0.3582

Sweetspot

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



42.7284, 0.2750, 0.3318



83.6690, 0.3008, 0.3298



41.2799, 0.3112, 0.4055



17.9173, 0.2986, 0.3299



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.7284, 0.2750, 0.3318



75.7654, 0.2673, 0.3325



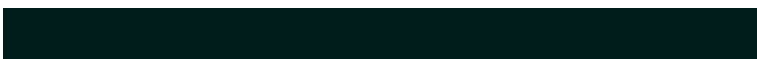
34.1912, 0.2704, 0.2952



10.2042, 0.2991, 0.3299



25.8054, 0.2280, 0.3409



0.9116, 0.2271, 0.3375

Inverse Universe

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



29.0136, 0.3682, 0.3263



46.4951, 0.3866, 0.3257



35.8548, 0.3624, 0.3605



9.0179, 0.3282, 0.3281



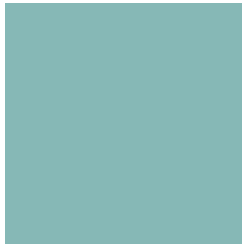
7.0368, 0.6349, 0.3271



0.2501, 0.6146, 0.3159

Previews

White Background



This preview shows how the Yxy color 42.7267, 0.2750, 0.3318 looks on a white background.

Color Contrast Check

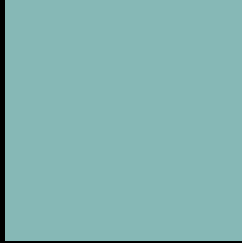
Large Text (above 18pt) WCAG AA × Fail

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 42.7267, 0.2750, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

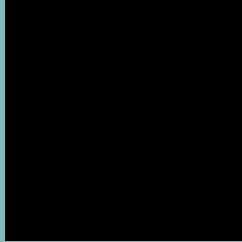
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

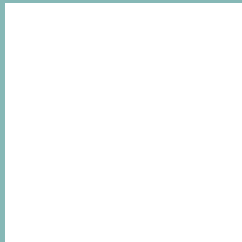
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7267, 0.2750, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 42.7267, 0.2750, 0.3318.



This preview shows how white text looks on a background with the Yxy color 42.7267, 0.2750, 0.3318.

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

42.7267, 0.2750, 0.3318

Protanopia

42.3688, 0.3138, 0.3250

Deuteranopia

42.3178, 0.3146, 0.3082



Tritanopia

42.7598, 0.2676, 0.3092

Trichromacy



Original Color

42.7267, 0.2750, 0.3318

Protanomaly

42.2357, 0.2983, 0.3276

Deuteranomaly

41.9483, 0.2986, 0.3153

Tritanomaly

42.8628, 0.2703, 0.3175

Monochromacy



Original Color

42.7267, 0.2750, 0.3318

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3960, 0.2971, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7267, 0.2750, 0.3318 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(134, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(134, 184, 182)  
}
```

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(134, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 42.7267, 0.2750, 0.3318 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(134, 184, 182) }
```

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

```
.border{ border-color:rgb(134, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(134, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7267, 0.2750, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 184, 182) }
```

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

```
.background{ background-color: rgb(134,  
184, 182) }
```

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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