

Converting Colors

$Y_{xy}(46.6277, 0.2869, 0.3281)$

Have a look what the booklet for
Yxy(46.6277, 0.2869, 0.3281)
contains.

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Color

Yxy(46.7085, 0.2867, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	9CBCBD
RGB	156, 188, 189
RGB Percent	61%, 74%, 74%
CMY	0.3882, 0.2627, 0.2589
CMYK	0.17, 0.01, 0.00, 0.26
HSL	182°, 20%, 68%
HSV	182°, 17%, 74%
XYZ	40.8771, 46.7085, 54.9923
YIQ	178.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

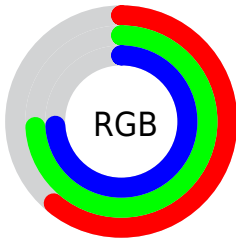
Format	Color
RYB	156, 172, 189
Decimal	10271933
CIELab	74.00, -10.53, -4.10
CIELCh	74, 11.299, 201.255
Yxy	46.7085, 0.2867, 0.3276
Android (android.graphics.Color)	4288462013 (0xFF9CBCBD)
YUV	178.5460, 5.1538, -19.7728
Hunter-Lab	68.3436, -12.8385, 0.1332

Details

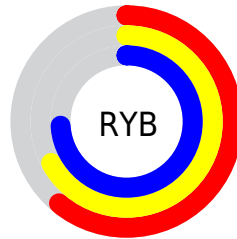
The Yxy color **46.7085, 0.2867, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3223, 0.3456, 0.3304**, and the grayscale version is **44.8056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1428, 0.2915, 0.3279**, and **22.0486, 0.2791, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **44.7318, 0.2730, 0.3267**, and if you desaturate by 10%, it is **48.9833, 0.3013, 0.3284**.

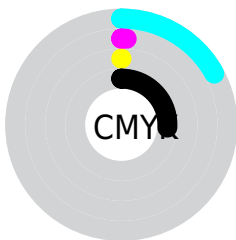
Distribution



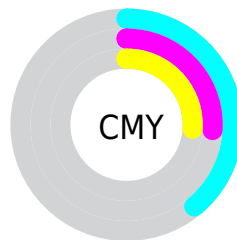
- Red (61%)
- Green (74%)
- Blue (74%)



- Red (61%)
- Yellow (67%)
- Blue (74%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (39%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7085, 0.2867, 0.3276 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 46.7085, 0.2867, 0.3276 by changing the saturation by 10% instead.

■ 46.7085, 0.2867,
0.3276

■ 46.7085, 0.2867,
0.3276

373.6498, 0.2996,
0.3284

■ 32.8053, 0.2835,
0.3274

■ 85.2783, 0.2914,
0.3279

■ 21.9773, 0.2794,
0.3270

■ 110.7137, 0.2931,
0.3280

■ 13.8402, 0.2740,
0.3265

140.7620, 0.2946,
0.3281

■ 8.0096, 0.2665,
0.3258

175.8075, 0.2959,
0.3282

■ 4.1011, 0.2553,
0.3245

216.2346, 0.2970,
0.3283

■ 1.7303, 0.2372,
0.3220

262.4278, 0.2980,

■ 0.4431, 0.1193,

0.3283

0.3220

314.7714, 0.2989,
0.3284

0.0000, 0.0000,
0.0000

46.7085, 0.2867,
0.3276

46.7085, 0.2867,
0.3276

44.7318, 0.2730,
0.3267

48.9833, 0.3013,
0.3284

43.0338, 0.2607,
0.3258

51.5631, 0.3167,
0.3292

41.6020, 0.2498,
0.3248

54.4616, 0.3324,
0.3299

40.4204, 0.2407,
0.3239

57.6902, 0.3483,
0.3305

39.4714, 0.2334,
0.3229

61.2595, 0.3641,
0.3311

■ 38.7352, 0.2280,
0.3219

■ 62.3476, 0.3677,
0.3316

■ 38.1884, 0.2245,
0.3209

■ 62.5917, 0.3676,
0.3322

■ 37.7975, 0.2226,
0.3200

■ 62.8368, 0.3674,
0.3328

■ 37.7075, 0.2222,
0.3197

■ 63.0828, 0.3673,
0.3334

Harmonies

Analogous

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



46.7085, 0.2978, 0.3420



46.7085, 0.2867, 0.3276



46.7085, 0.2824, 0.3140

Triad

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



46.7085, 0.2867, 0.3276



46.7085, 0.3118, 0.3066



46.7085, 0.3399, 0.3529

Complementary

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



46.7085, 0.2867, 0.3276



37.3223, 0.3456, 0.3304

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.



46.7085, 0.3440, 0.3428



46.7085, 0.2867, 0.3276



46.7085, 0.3275, 0.3164

Square

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



46.7085, 0.2867, 0.3276



46.7085, 0.2966, 0.3024



46.7085, 0.3394, 0.3295



46.7085, 0.3285, 0.3568

Rectangle

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



46.7085, 0.2867, 0.3276



46.7085, 0.2840, 0.3073



46.7085, 0.3394, 0.3295



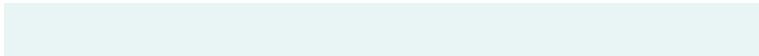
46.7085, 0.3422, 0.3501

Sweetspot

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



46.7104, 0.2867, 0.3276



88.7959, 0.3049, 0.3286



45.8733, 0.3101, 0.3749



19.0279, 0.3039, 0.3286



95.5105, 0.3127, 0.3290



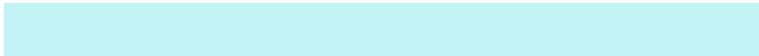
19.5994, 0.3127, 0.3290

Same Dimension

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



46.7104, 0.2867, 0.3276



82.2407, 0.2813, 0.3273



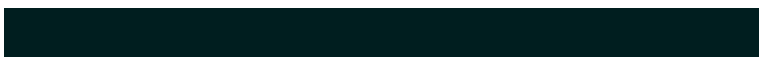
40.2242, 0.2856, 0.3053



10.7599, 0.2985, 0.3283



25.3980, 0.2222, 0.3198



1.0101, 0.2228, 0.3221

Inverse Universe

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



38.2252, 0.3156, 0.2876



64.1782, 0.3163, 0.2782



43.1192, 0.3420, 0.3517



9.6913, 0.3142, 0.3070



9.5936, 0.3283, 0.1582



0.3773, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 46.7085, 0.2867, 0.3276 looks on a white background.

Color Contrast Check

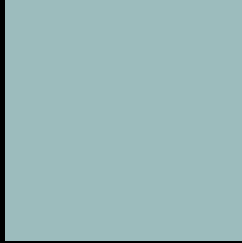
Large Text (above 18pt) WCAG AA × Fail

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 46.7085, 0.2867, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

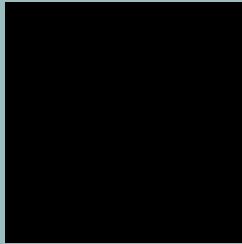
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

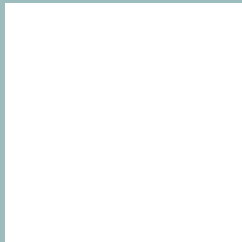
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7085, 0.2867, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 46.7085, 0.2867, 0.3276.



This preview shows how white text looks on a background with the Yxy color 46.7085, 0.2867, 0.3276.

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

46.7085, 0.2867, 0.3276

Protanopia

46.7409, 0.3121, 0.3238

Deuteranopia

46.4144, 0.3171, 0.3103



Tritanopia

46.6040, 0.2798, 0.3090

Trichromacy



Original Color

46.7085, 0.2867, 0.3276

Protanomaly

46.8248, 0.3029, 0.3263

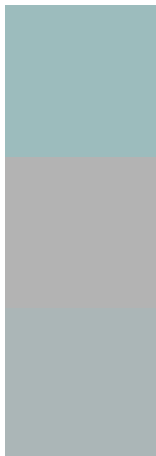
Deuteranomaly

46.1840, 0.3057, 0.3160

Tritanomaly

46.7400, 0.2819, 0.3155

Monochromacy



Original Color

46.7085, 0.2867, 0.3276

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.5327, 0.3027, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7085, 0.2867, 0.3276 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(156, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(156, 188, 189)  
}
```

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(156, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 188, 189) }
```

Border

The CSS property to change the border of an element to Yxy 46.7085, 0.2867, 0.3276 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(156, 188, 189) }
```

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

```
.border{ border-color:rgb(156, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 188, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 188, 189);  
box-shadow:4px 4px 4px 4px rgb(156, 188,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7085, 0.2867, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 188, 189) }
```

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

```
.background{ background-color: rgb(156,  
188, 189) }
```

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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