

Converting Colors

$Yxy(46.3787, 0.2897, 0.3290)$

Have a look what the booklet for
Yxy(46.3787, 0.2897, 0.3290)
contains.

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Color

Yxy(46.3976, 0.2895, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	9EBBBB
RGB	158, 187, 187
RGB Percent	62%, 73%, 73%
CMY	0.3805, 0.2666, 0.2666
CMYK	0.16, 0.00, 0.00, 0.27
HSL	180°, 18%, 68%
HSV	180°, 16%, 73%
XYZ	40.8395, 46.3976, 53.8319
YIQ	178.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

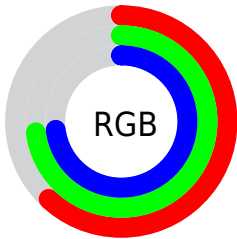
Format	Color
RYB	158, 173, 187
Decimal	10402747
CIELab	73.80, -9.78, -3.31
CIELCh	74, 10.329, 198.708
Yxy	46.3976, 0.2895, 0.3289
Android (android.graphics.Color)	4288592827 (0xFF9EBBBB)
YUV	178.3290, 4.2748, -17.8285
Hunter-Lab	68.1158, -12.1812, 0.8241

Details

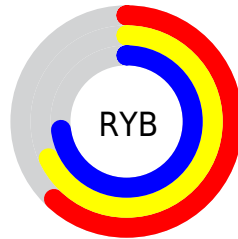
The Yxy color **46.3976, 0.2895, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4901, 0.3415, 0.3291**, and the grayscale version is **44.6876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7184, 0.2938, 0.3289**, and **21.8356, 0.2828, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **44.6395, 0.2758, 0.3288**, and if you desaturate by 10%, it is **48.4482, 0.3042, 0.3290**.

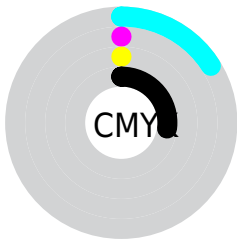
Distribution



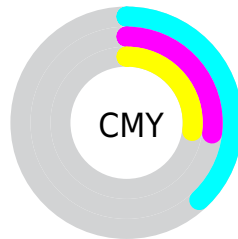
- Red (62%)
- Green (73%)
- Blue (73%)



- Red (62%)
- Yellow (68%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)




- Cyan (38%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3976, 0.2895, 0.3289 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 46.3976, 0.2895, 0.3289 by changing the saturation by 10% instead.


 46.3976, 0.2895,
0.3289


 46.3976, 0.2895,
0.3289


372.4048, 0.3011,
0.3291

 32.5597, 0.2866,
0.3288


 84.8137, 0.2937,
0.3290

 21.7894, 0.2830,
0.3287


 110.1607, 0.2953,
0.3290

 13.7022, 0.2781,
0.3286


140.1129, 0.2966,
0.3290

 7.9138, 0.2713,
0.3283

175.0546, 0.2977,
0.3290

 4.0399, 0.2612,
0.3277

215.3703, 0.2987,
0.3290

 1.6959, 0.2447,
0.3265

261.4443, 0.2996,

 0.4210, 0.1268,

0.3290

313.6610, 0.3004,
0.3290

0.3309

0.0000, 0.0000,
0.0000

46.3976, 0.2895,
0.3289

46.3976, 0.2895,
0.3289

44.6395, 0.2758,
0.3288

48.4482, 0.3042,
0.3290

43.1550, 0.2633,
0.3288

50.7977, 0.3197,
0.3290

41.9322, 0.2524,
0.3287

53.4594, 0.3356,
0.3291

40.9557, 0.2433,
0.3287

56.4444, 0.3516,
0.3292

40.2089, 0.2360,
0.3286

59.7628, 0.3675,
0.3292

■ 39.6727, 0.2306,
0.3286

■ 60.4277, 0.3705,
0.3292

■ 39.3253, 0.2271,
0.3286

■ 60.4336, 0.3705,
0.3293

■ 39.1396, 0.2252,
0.3285

■ 60.4395, 0.3705,
0.3293

■ 39.0830, 0.2246,
0.3285

■ 60.4453, 0.3705,
0.3293

Harmonies

Analogous

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



46.3976, 0.3001, 0.3419



46.3976, 0.2895, 0.3289



46.3976, 0.2850, 0.3163

Triad

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



46.3976, 0.2895, 0.3289



46.3976, 0.3106, 0.3079



46.3976, 0.3382, 0.3504

Complementary

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



46.3976, 0.2895, 0.3289



37.4901, 0.3415, 0.3291

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.



46.3976, 0.3413, 0.3407



46.3976, 0.2895, 0.3289



46.3976, 0.3251, 0.3165

Square

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



46.3976, 0.2895, 0.3289



46.3976, 0.2970, 0.3045



46.3976, 0.3364, 0.3284



46.3976, 0.3283, 0.3544

Rectangle

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



46.3976, 0.2895, 0.3289



46.3976, 0.2860, 0.3098



46.3976, 0.3364, 0.3284



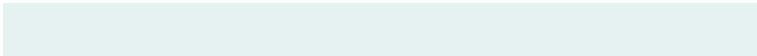
46.3976, 0.3401, 0.3476

Sweetspot

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



46.3995, 0.2895, 0.3289



86.9194, 0.3049, 0.3290



45.2875, 0.3108, 0.3700



19.0799, 0.3039, 0.3290



95.5105, 0.3127, 0.3290



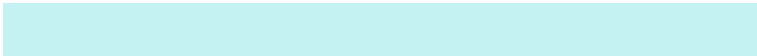
19.5994, 0.3127, 0.3290

Same Dimension

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



46.3995, 0.2895, 0.3289



81.8244, 0.2842, 0.3289



40.5531, 0.2887, 0.3088



10.8083, 0.2985, 0.3289



26.9200, 0.2246, 0.3285



1.0549, 0.2246, 0.3286

Inverse Universe

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



38.6030, 0.3145, 0.2912



64.9256, 0.3150, 0.2818



42.7333, 0.3385, 0.3484



9.6962, 0.3138, 0.3064



9.7473, 0.3211, 0.1543



0.3818, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 46.3976, 0.2895, 0.3289 looks on a white background.

Color Contrast Check

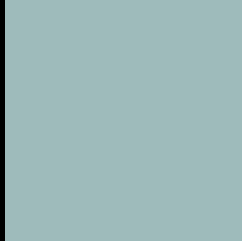
Large Text (above 18pt) WCAG AA × Fail

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 46.3976, 0.2895, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

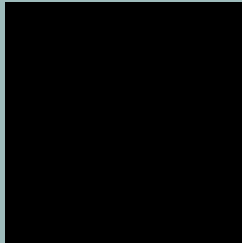
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

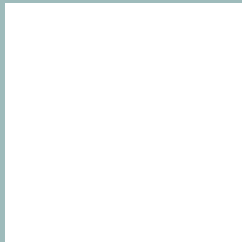
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3976, 0.2895, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 46.3976, 0.2895, 0.3289.



This preview shows how white text looks on a background with the Yxy color 46.3976, 0.2895, 0.3289.

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

46.3976, 0.2895, 0.3289

Protanopia

46.2518, 0.3138, 0.3251

Deuteranopia

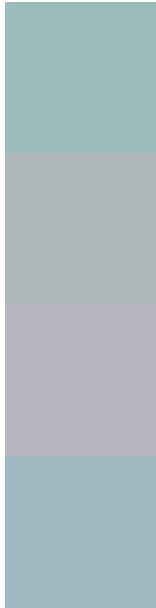
46.3269, 0.3187, 0.3127



Tritanopia

46.3416, 0.2819, 0.3090

Trichromacy



Original Color

46.3976, 0.2895, 0.3289

Protanomaly

46.4416, 0.3052, 0.3277

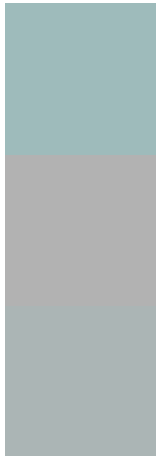
Deuteranomaly

46.2184, 0.3081, 0.3186

Tritanomaly

46.4289, 0.2846, 0.3169

Monochromacy



Original Color

46.3976, 0.2895, 0.3289

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0419, 0.3043, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3976, 0.2895, 0.3289 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(158, 187, 187)` looks like.

```
.text, #text, p{  
    color:rgb(158, 187, 187)  
}
```

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(158, 187, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 187, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.3976, 0.2895, 0.3289 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(158, 187, 187) }
```

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

```
.border{ border-color:rgb(158, 187, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 187, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 187, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 187, 187);  
box-shadow:4px 4px 4px 4px rgb(158, 187,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3976, 0.2895, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 187, 187) }
```

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

```
.background{ background-color: rgb(158,  
187, 187) }
```

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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