

Converting Colors

$Yxy(46.8664, 0.2889, 0.3289)$

Have a look what the booklet for
Yxy(46.8664, 0.2889, 0.3289)
contains.

Yxy(46.8664, 0.2889, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8664, 0.2889, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	9EBCBC
RGB	158, 188, 188
RGB Percent	62%, 74%, 74%
CMY	0.3803, 0.2628, 0.2627
CMYK	0.16, 0.00, 0.00, 0.26
HSL	180°, 18%, 68%
HSV	180°, 16%, 74%
XYZ	41.1666, 46.8664, 54.4614
YIQ	179.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

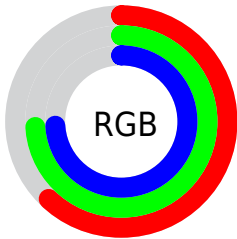
Format	Color
RYB	158, 173, 188
Decimal	10403004
CIELab	74.10, -10.08, -3.41
CIELCh	74, 10.638, 198.680
Yxy	46.8664, 0.2889, 0.3289
Android (android.graphics.Color)	4288593084 (0xFF9EBCBC)
YUV	179.0300, 4.4222, -18.4433
Hunter-Lab	68.4590, -12.4655, 0.7542

Details

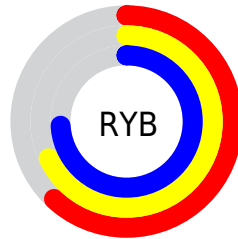
The Yxy color $46.8664, 0.2889, 0.3289$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $37.6349, 0.3424, 0.3291$, and the grayscale version is $45.0835, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3792, 0.2933, 0.3289$, and $22.1414, 0.2820, 0.3289$ is the 20% darker color. If you saturate the color by 10%, you get $45.0994, 0.2752, 0.3288$, and if you desaturate by 10%, it is $48.9290, 0.3036, 0.3290$.

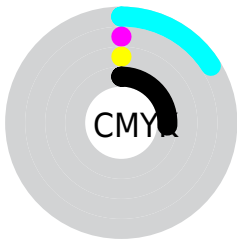
Distribution



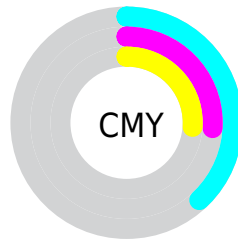
- Red (62%)
- Green (74%)
- Blue (74%)



- Red (62%)
- Yellow (68%)
- Blue (74%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (38%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8664, 0.2889, 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 46.8664, 0.2889, 0.3289 by changing the saturation by 10% instead.


 46.8664, 0.2889,
0.3289

 46.8664, 0.2889,
0.3289


374.2810, 0.3007,
0.3291

 32.9301, 0.2860,
0.3288


 85.5142, 0.2932,
0.3290

 22.0729, 0.2822,
0.3287


 110.9944, 0.2948,
0.3290

 13.9105, 0.2772,
0.3286


141.0913, 0.2962,
0.3290

 8.0584, 0.2703,
0.3283

176.1894, 0.2973,
0.3290

 4.1323, 0.2601,
0.3277

216.6730, 0.2984,
0.3290

 1.7479, 0.2434,
0.3264

262.9266, 0.2992,

 0.4544, 0.1353,

0.3290

0.3309

315.3344, 0.3000,
0.3291

0.0000, 0.0000,
0.0000

46.8664, 0.2889,
0.3289

46.8664, 0.2889,
0.3289

45.0994, 0.2752,
0.3288

48.9290, 0.3036,
0.3290

43.6089, 0.2628,
0.3288

51.2937, 0.3190,
0.3290

42.3828, 0.2520,
0.3287

53.9742, 0.3349,
0.3291

41.4054, 0.2429,
0.3287

56.9815, 0.3509,
0.3291

40.6596, 0.2357,
0.3286

60.3260, 0.3669,
0.3292

■ 40.1264, 0.2304,
0.3286

■ 60.8884, 0.3694,
0.3292

■ 39.7832, 0.2270,
0.3286

■ 60.8939, 0.3694,
0.3292

■ 39.6017, 0.2251,
0.3285

■ 60.8993, 0.3694,
0.3293

■ 39.5504, 0.2246,
0.3285

■ 60.9047, 0.3694,
0.3293

Harmonies

Analogous

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



46.8664, 0.2998, 0.3423



46.8664, 0.2889, 0.3289



46.8664, 0.2843, 0.3159

Triad

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



46.8664, 0.2889, 0.3289



46.8664, 0.3105, 0.3073



46.8664, 0.3389, 0.3509

Complementary

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



46.8664, 0.2889, 0.3289



37.6349, 0.3424, 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.



46.8664, 0.3420, 0.3410



46.8664, 0.2889, 0.3289



46.8664, 0.3254, 0.3162

Square

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



46.8664, 0.2889, 0.3289



46.8664, 0.2965, 0.3039



46.8664, 0.3371, 0.3284



46.8664, 0.3287, 0.3551

Rectangle

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



46.8664, 0.2889, 0.3289



46.8664, 0.2853, 0.3093



46.8664, 0.3371, 0.3284



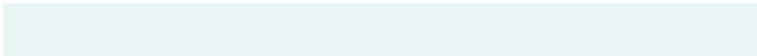
46.8664, 0.3409, 0.3481

Sweetspot

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



46.8683, 0.2889, 0.3289



89.0089, 0.3049, 0.3290



45.7152, 0.3107, 0.3712



19.0800, 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.



46.8683, 0.2889, 0.3289



83.7902, 0.2842, 0.3289



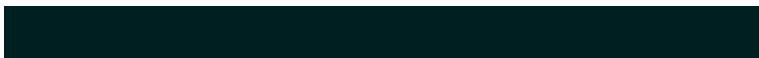
40.8003, 0.2881, 0.3082



10.8084, 0.2985, 0.3289



26.9235, 0.2246, 0.3285



1.0550, 0.2246, 0.3286

Inverse Universe

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



38.7889, 0.3146, 0.2901



66.4749, 0.3150, 0.2818



43.0595, 0.3393, 0.3490



9.6962, 0.3138, 0.3064



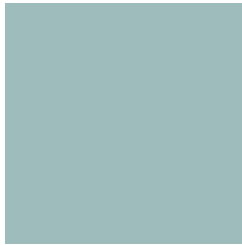
9.7476, 0.3211, 0.1542



0.3819, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 46.8664, 0.2889, 0.3289 looks on a white background.

Color Contrast Check

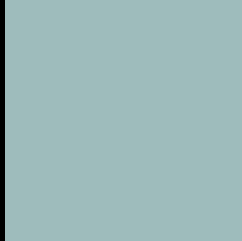
Large Text (above 18pt) WCAG AA × Fail

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 46.8664, 0.2889, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

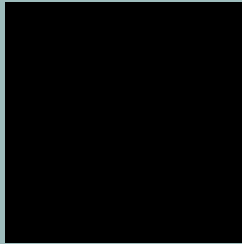
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

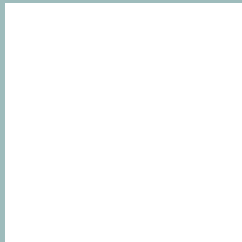
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8664, 0.2889, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 46.8664, 0.2889, 0.3289.

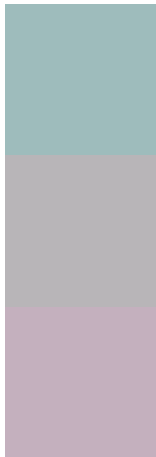


This preview shows how white text looks on a background with the Yxy color 46.8664, 0.2889, 0.3289.

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

46.8664, 0.2889, 0.3289

Protanopia

46.6988, 0.3129, 0.3251

Deuteranopia

46.5041, 0.3188, 0.3115



Tritanopia

46.8084, 0.2813, 0.3091

Trichromacy



Original Color

46.8664, 0.2889, 0.3289

Protanomaly

46.8977, 0.3045, 0.3277

Deuteranomaly

46.2617, 0.3073, 0.3174

Tritanomaly

46.8971, 0.2840, 0.3169

Monochromacy



Original Color

46.8664, 0.2889, 0.3289

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4912, 0.3035, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8664, 0.2889, 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, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(158, 188, 188)  
}
```

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, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 188, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.8664, 0.2889, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

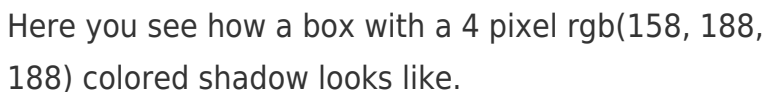
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 188, 188) }
```

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

```
.border{ border-color:rgb(158, 188, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 188, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 188, 188); box-shadow:4px 4px 4px 4px rgb(158, 188, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8664, 0.2889, 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, 188, 188) }
```

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

```
.background{ background-color: rgb(158,  
188, 188) }
```

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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