

Converting Colors

$Yxy(46.7243, 0.2797, 0.3181)$

Have a look what the booklet for
Yxy(46.7243, 0.2797, 0.3181)
contains.

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Color

Yxy(46.7243, 0.2797, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	99BCC4
RGB	153, 188, 196
RGB Percent	60%, 74%, 77%
CMY	0.4000, 0.2627, 0.2314
CMYK	0.22, 0.04, 0.00, 0.23
HSL	191°, 27%, 68%
HSV	191°, 22%, 77%
XYZ	41.0839, 46.7243, 59.0774
YIQ	178.4470, -23.4280, -4.9320

Conversions

Conversions Part 2

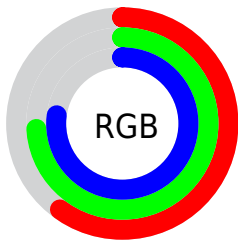
Format	Color
R _{YB}	153, 172, 196
Decimal	10075332
CIE Lab	74.01, -9.94, -7.93
CIE LCh	74, 12.714, 218.582
Yxy	46.7243, 0.2797, 0.3181
Android (android.graphics.Color)	4288265412 (0xFF99BCC4)
YUV	178.4470, 8.6536, -22.3170
Hunter-Lab	68.3552, -12.3367, -3.3940

Details

The Yxy color **46.7243, 0.2797, 0.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5253, 0.3545, 0.3396**, and the grayscale version is **44.7336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2031, 0.2854, 0.3195**, and **22.0476, 0.2709, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **43.4351, 0.2656, 0.3125**, and if you desaturate by 10%, it is **50.3699, 0.2945, 0.3233**.

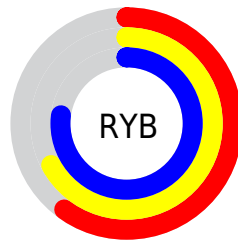
Distribution



Red (60%)

Green (74%)

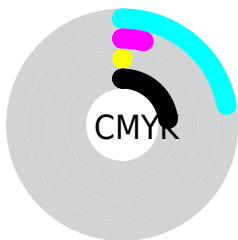
Blue (77%)



Red (60%)

Yellow (67%)

Blue (77%)

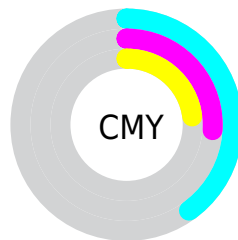


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (23%)



Cyan (40%)


Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7243, 0.2797, 0.3181 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 46.7243, 0.2797, 0.3181 by changing the saturation by 10% instead.


 46.7243, 0.2797,
0.3181


 46.7243, 0.2797,
0.3181

373.7130, 0.2960,
0.3237

 32.8178, 0.2757,
0.3166


 85.3019, 0.2856,
0.3202

 21.9869, 0.2705,
0.3147


 110.7418, 0.2878,
0.3210

 13.8473, 0.2638,
0.3121


140.7950, 0.2897,
0.3216

 8.0145, 0.2544,
0.3084

175.8457, 0.2913,
0.3222

 4.1042, 0.2407,
0.3026

216.2785, 0.2927,
0.3226

 1.7320, 0.2188,
0.2926

262.4777, 0.2940,

 0.4443, 0.1080,

0.3231

0.2670

314.8277, 0.2951,
0.3234

0.0000, 0.0000,
0.0000

46.7243, 0.2797,
0.3181

46.7243, 0.2797,
0.3181

43.4351, 0.2656,
0.3125

50.3699, 0.2945,
0.3233

40.4811, 0.2524,
0.3064

54.3807, 0.3097,
0.3281

37.8473, 0.2405,
0.3001

58.7722, 0.3251,
0.3325

35.5152, 0.2303,
0.2935

63.5574, 0.3403,
0.3363

33.4642, 0.2218,
0.2869

68.7485, 0.3552,
0.3398

■ 31.6708, 0.2152,
0.2801

■ 71.2769, 0.3576,
0.3434

■ 30.1069, 0.2105,
0.2734

■ 73.0960, 0.3567,
0.3471

■ 28.9711, 0.2078,
0.2681

■ 74.9563, 0.3559,
0.3508

■ 76.8582, 0.3551,
0.3544

Harmonies

Analogous

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



46.7243, 0.2879, 0.3344



46.7243, 0.2797, 0.3181



46.7243, 0.2800, 0.3054

Triad

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



46.7243, 0.2797, 0.3181



46.7243, 0.3221, 0.3096



46.7243, 0.3367, 0.3595

Complementary

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



46.7243, 0.2797, 0.3181



39.5253, 0.3545, 0.3396

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.



46.7243, 0.3464, 0.3517



46.7243, 0.2797, 0.3181



46.7243, 0.3379, 0.3231

Square

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



46.7243, 0.2797, 0.3181



46.7243, 0.3040, 0.3011



46.7243, 0.3469, 0.3383



46.7243, 0.3207, 0.3589

Rectangle

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



46.7243, 0.2797, 0.3181



46.7243, 0.2850, 0.3006



46.7243, 0.3469, 0.3383



46.7243, 0.3408, 0.3577

Sweetspot

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



46.7262, 0.2797, 0.3181



94.6706, 0.3018, 0.3257



48.8218, 0.3043, 0.3781



20.1685, 0.3009, 0.3254



0.0000, 0.0000, 0.0000



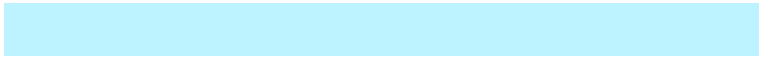
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7262, 0.2797, 0.3181



81.9042, 0.2733, 0.3156



38.2560, 0.2775, 0.2881



11.0996, 0.2984, 0.3246



18.7326, 0.2081, 0.2690



0.8938, 0.2122, 0.2838

Inverse Universe

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



38.1502, 0.3225, 0.2846



63.9774, 0.3249, 0.2753



47.6494, 0.3488, 0.3668



10.2143, 0.3165, 0.3105



9.1733, 0.3737, 0.1833



0.4049, 0.3599, 0.1757

Previews

White Background



This preview shows how the Yxy color 46.7243, 0.2797, 0.3181 looks on a white background.

Color Contrast Check

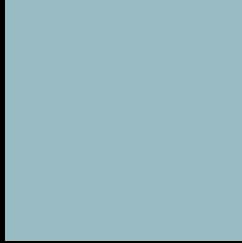
Large Text (above 18pt) WCAG AA × Fail

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 46.7243, 0.2797, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

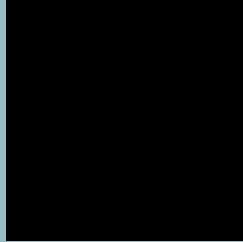
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

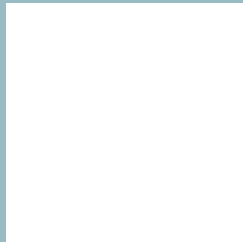
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7243, 0.2797, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 46.7243, 0.2797, 0.3181.



This preview shows how white text looks on a background with the Yxy color 46.7243, 0.2797, 0.3181.

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

46.7243, 0.2797, 0.3181

Protanopia

46.3492, 0.3058, 0.3148

Deuteranopia

46.2043, 0.3080, 0.3015



Tritanopia

46.6749, 0.2763, 0.3089

Trichromacy



Original Color

46.7243, 0.2797, 0.3181

Protanomaly

46.3752, 0.2952, 0.3158

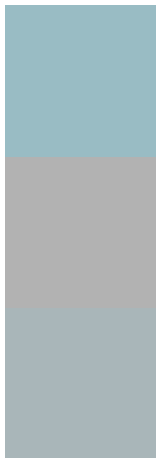
Deuteranomaly

46.0208, 0.2970, 0.3070

Tritanomaly

46.5808, 0.2776, 0.3115

Monochromacy



Original Color

46.7243, 0.2797, 0.3181

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3937, 0.2996, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7243, 0.2797, 0.3181 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(153, 188, 196)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 196)  
}
```

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(153, 188, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.7243, 0.2797, 0.3181 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(153, 188, 196) }
```

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

```
.border{ border-color:rgb(153, 188, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 188, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 188, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 188, 196);  
box-shadow:4px 4px 4px 4px rgb(153, 188,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7243, 0.2797, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 196) }
```

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

```
.background{ background-color: rgb(153,  
188, 196) }
```

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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