

Converting Colors

$Yxy(46.8950, 0.2799, 0.3139)$

Have a look what the booklet for
Yxy(46.8950, 0.2799, 0.3139)
contains.

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Color

Yxy(46.7321, 0.2798, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	9CBBC7
RGB	156, 187, 199
RGB Percent	61%, 73%, 78%
CMY	0.3882, 0.2667, 0.2197
CMYK	0.22, 0.06, 0.00, 0.22
HSL	197°, 28%, 70%
HSV	197°, 22%, 78%
XYZ	41.7886, 46.7321, 60.8309
YIQ	179.0990, -22.3280, -2.8400

Conversions

Conversions Part 2

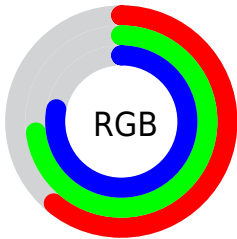
Format	Color
R _Y B	156, 174, 199
Decimal	10271687
CIE Lab	74.02, -7.81, -9.52
CIE LCh	74, 12.313, 230.626
Yxy	46.7321, 0.2798, 0.3129
Android (android.graphics.Color)	4288461767 (0xFF9CBBC7)
YUV	179.0990, 9.8112, -20.2578
Hunter-Lab	68.3609, -10.5156, -4.9066

Details

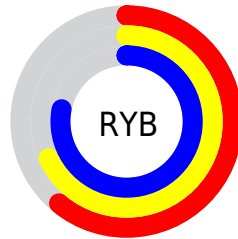
The Yxy color **46.7321, 0.2798, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.5374, 0.3527, 0.3445**, and the grayscale version is **45.0920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1701, 0.2860, 0.3165**, and **22.0376, 0.2709, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **42.6020, 0.2650, 0.3043**, and if you desaturate by 10%, it is **51.2819, 0.2950, 0.3208**.

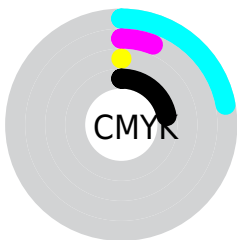
Distribution



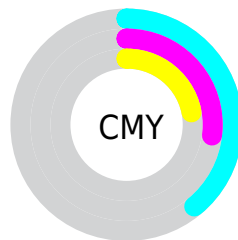
- Red (61%)
- Green (73%)
- Blue (78%)



- Red (61%)
- Yellow (68%)
- Blue (78%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (39%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7321, 0.2798, 0.3129 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 46.7321, 0.2798, 0.3129 by changing the saturation by 10% instead.

■ 46.7321, 0.2798,
0.3129

■ 46.7321, 0.2798,
0.3129

■ 373.7442, 0.2961,
0.3211

■ 32.8239, 0.2758,
0.3108

■ 85.3136, 0.2857,
0.3159

■ 21.9916, 0.2707,
0.3081

■ 110.7557, 0.2879,
0.3170

■ 13.8507, 0.2639,
0.3044

■ 140.8112, 0.2898,
0.3180

■ 8.0169, 0.2546,
0.2993

■ 175.8646, 0.2914,
0.3188

■ 4.1058, 0.2410,
0.2914

■ 216.3002, 0.2928,
0.3195

■ 1.7329, 0.2193,
0.2781

■ 262.5024, 0.2940,

■ 0.4448, 0.1262,

0.3201

0.2419

314.8556, 0.2951,
0.3206

0.0000, 0.0000,
0.0000

46.7321, 0.2798,
0.3129

46.7321, 0.2798,
0.3129

42.6020, 0.2650,
0.3043

51.2819, 0.2950,
0.3208

38.8692, 0.2509,
0.2952

56.2615, 0.3103,
0.3279

35.5172, 0.2379,
0.2854

61.6875, 0.3255,
0.3344

32.5264, 0.2264,
0.2753

67.5740, 0.3403,
0.3401

29.8746, 0.2165,
0.2649

73.8390, 0.3543,
0.3452

■ 27.5368, 0.2085,
0.2544

■ 76.7050, 0.3531,
0.3508

■ 25.4831, 0.2025,
0.2440

■ 79.6674, 0.3519,
0.3563

■ 23.9303, 0.1987,
0.2353

■ 82.7273, 0.3508,
0.3617

■ 85.8855, 0.3496,
0.3671

Harmonies

Analogous

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



46.7321, 0.2846, 0.3278



46.7321, 0.2798, 0.3129



46.7321, 0.2835, 0.3030

Triad

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



46.7321, 0.2798, 0.3129



46.7321, 0.3285, 0.3150



46.7321, 0.3302, 0.3593

Complementary

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



46.7321, 0.2798, 0.3129



42.5374, 0.3527, 0.3445

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.



46.7321, 0.3426, 0.3549



46.7321, 0.2798, 0.3129



46.7321, 0.3416, 0.3292

Square

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



46.7321, 0.2798, 0.3129



46.7321, 0.3113, 0.3045



46.7321, 0.3468, 0.3437



46.7321, 0.3134, 0.3553

Rectangle

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



46.7321, 0.2798, 0.3129



46.7321, 0.2904, 0.3002



46.7321, 0.3468, 0.3437



46.7321, 0.3350, 0.3588

Sweetspot

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



46.7340, 0.2798, 0.3129



94.5235, 0.3034, 0.3248



50.7097, 0.3020, 0.3721



20.1080, 0.3024, 0.3243



0.0000, 0.0000, 0.0000



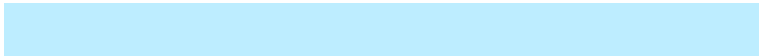
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7340, 0.2798, 0.3129



78.2976, 0.2726, 0.3089



38.4784, 0.2778, 0.2838



11.5487, 0.2984, 0.3224



15.5467, 0.1991, 0.2367



0.8535, 0.2051, 0.2582

Inverse Universe

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



39.5086, 0.3260, 0.2900



63.6133, 0.3296, 0.2811



50.9111, 0.3474, 0.3705



10.7643, 0.3179, 0.3125



9.1094, 0.4057, 0.2008



0.4432, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 46.7321, 0.2798, 0.3129 looks on a white background.

Color Contrast Check

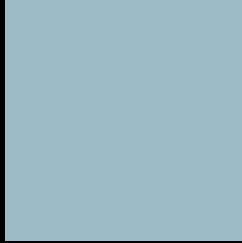
Large Text (above 18pt) WCAG AA × Fail

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 46.7321, 0.2798, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

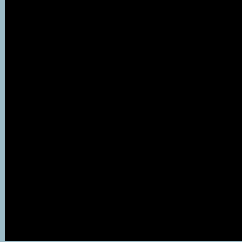
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

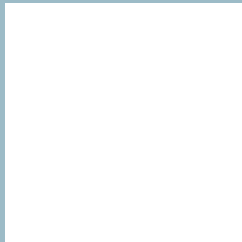
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7321, 0.2798, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 46.7321, 0.2798, 0.3129.



This preview shows how white text looks on a background with the Yxy color 46.7321, 0.2798, 0.3129.

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

46.7321, 0.2798, 0.3129

Protanopia

46.4064, 0.3018, 0.3097

Deuteranopia

46.6085, 0.3048, 0.2990



Tritanopia

46.9258, 0.2792, 0.3103

Trichromacy



Original Color

46.7321, 0.2798, 0.3129

Protanomaly

46.6232, 0.2938, 0.3120

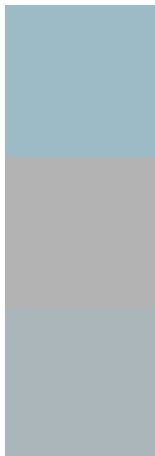
Deuteranomaly

46.6829, 0.2956, 0.3046

Tritanomaly

46.8789, 0.2798, 0.3116

Monochromacy



Original Color

46.7321, 0.2798, 0.3129

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.6590, 0.3004, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7321, 0.2798, 0.3129 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, 187, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 187, 199)  
}
```

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, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 187, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.7321, 0.2798, 0.3129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

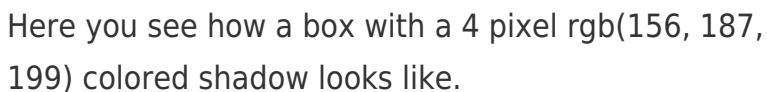
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 187, 199) }
```

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

```
.border{ border-color:rgb(156, 187, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 187, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 187, 199); box-shadow:4px 4px 4px 4px rgb(156, 187, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7321, 0.2798, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 187, 199) }
```

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

```
.background{ background-color: rgb(156,  
187, 199) }
```

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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