

Converting Colors

$Y_{xy}(46.4930, 0.2647, 0.3111)$

Have a look what the booklet for
Yxy(46.4930, 0.2647, 0.3111)
contains.

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Color

Yxy(46.4571, 0.2645, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	89BECB
RGB	137, 190, 203
RGB Percent	54%, 75%, 80%
CMY	0.4631, 0.2548, 0.2040
CMYK	0.33, 0.06, 0.00, 0.20
HSL	192°, 39%, 67%
HSV	192°, 33%, 80%
XYZ	39.4982, 46.4571, 63.3764
YIQ	175.6350, -35.7610, -7.1930

Conversions

Conversions Part 2

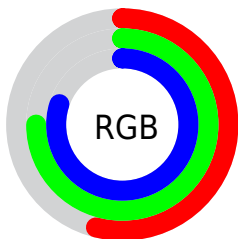
Format	Color
R _{YB}	137, 166, 203
Decimal	9027275
CIE Lab	73.84, -14.13, -12.09
CIE LCh	74, 18.593, 220.560
Yxy	46.4571, 0.2645, 0.3111
Android (android.graphics.Color)	4287217355 (0xFF89BECB)
YUV	175.6350, 13.4909, -33.8829
Hunter-Lab	68.1594, -15.8387, -7.4177

Details

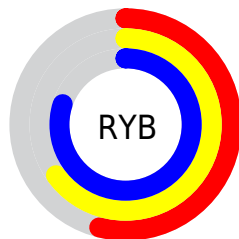
The Yxy color **46.4571, 0.2645, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2754, 0.3818, 0.3460**, and the grayscale version is **43.1512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3380, 0.2754, 0.3193**, and **21.9461, 0.2514, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **43.2005, 0.2513, 0.3047**, and if you desaturate by 10%, it is **50.0872, 0.2787, 0.3171**.

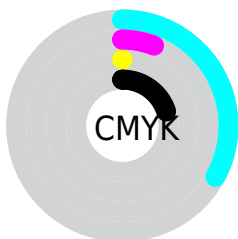
Distribution



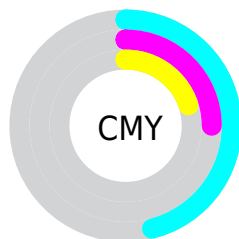
- Red (54%)
- Green (75%)
- Blue (80%)



- Red (54%)
- Yellow (65%)
- Blue (80%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4571, 0.2645, 0.3111 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 46.4571, 0.2645, 0.3111 by changing the saturation by 10% instead.


 46.4571, 0.2645,
0.3111


 46.4571, 0.2645,
0.3111


372.6433, 0.2882,
0.3204

 32.6067, 0.2587,
0.3087


 84.9027, 0.2730,
0.3146

 21.8253, 0.2514,
0.3055


 110.2666, 0.2763,
0.3159

 13.7286, 0.2417,
0.3011


 140.2372, 0.2790,
0.3169

 7.9321, 0.2286,
0.2949

175.1988, 0.2814,
0.3178

 4.0516, 0.2096,
0.2853

215.5358, 0.2834,
0.3186

 1.7024, 0.1802,
0.2687

261.6326, 0.2852,

 0.4252, 0.0323,

0.3193

0.2317

313.8737, 0.2868,
0.3199

0.0000, 0.0000,
0.0000

46.4571, 0.2645,
0.3111

46.4571, 0.2645,
0.3111

43.2005, 0.2513,
0.3047

50.0872, 0.2787,
0.3171

40.2934, 0.2394,
0.2980

54.1024, 0.2936,
0.3227

37.7172, 0.2291,
0.2910

58.5204, 0.3088,
0.3278

35.4493, 0.2206,
0.2839

63.3562, 0.3242,
0.3324

33.4637, 0.2140,
0.2767

68.6239, 0.3394,
0.3365

■ 31.7292, 0.2093,
0.2696

■ 73.6259, 0.3515,
0.3403

■ 30.5584, 0.2068,
0.2644

■ 75.6662, 0.3507,
0.3443

■ 77.7562, 0.3499,
0.3483

■ 79.8962, 0.3491,
0.3523

Harmonies

Analogous

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



46.4571, 0.2755, 0.3351



46.4571, 0.2645, 0.3111



46.4571, 0.2658, 0.2935

Triad

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



46.4571, 0.2645, 0.3111



46.4571, 0.3279, 0.3021



46.4571, 0.3463, 0.3742

Complementary

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



46.4571, 0.2645, 0.3111



36.2754, 0.3818, 0.3460

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.



46.4571, 0.3617, 0.3628



46.4571, 0.2645, 0.3111



46.4571, 0.3510, 0.3215

Square

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



46.4571, 0.2645, 0.3111



46.4571, 0.3015, 0.2893



46.4571, 0.3635, 0.3435



46.4571, 0.3223, 0.3729

Rectangle

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



46.4571, 0.2645, 0.3111



46.4571, 0.2734, 0.2872



46.4571, 0.3635, 0.3435



46.4571, 0.3527, 0.3716

Sweetspot

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



46.4589, 0.2645, 0.3111



92.3287, 0.2972, 0.3240



50.1885, 0.3004, 0.4065



19.5435, 0.2951, 0.3232



0.0000, 0.0000, 0.0000



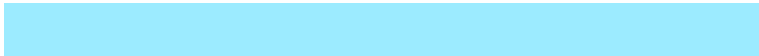
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4589, 0.2645, 0.3111



73.9361, 0.2552, 0.3067



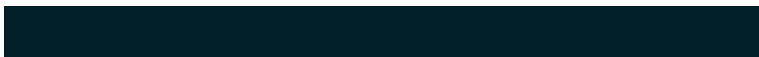
34.0229, 0.2588, 0.2645



12.3383, 0.2983, 0.3243



19.5793, 0.2071, 0.2653



1.1082, 0.2109, 0.2791

Inverse Universe

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



34.2824, 0.3291, 0.2633



50.9122, 0.3335, 0.2493



47.9817, 0.3690, 0.3859



11.3645, 0.3167, 0.3106



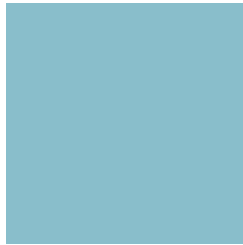
9.7795, 0.3772, 0.1852



0.5144, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 46.4571, 0.2645, 0.3111 looks on a white background.

Color Contrast Check

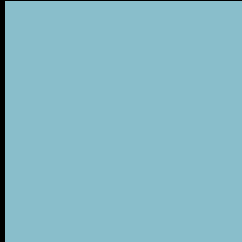
Large Text (above 18pt) WCAG AA × Fail

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 46.4571, 0.2645, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

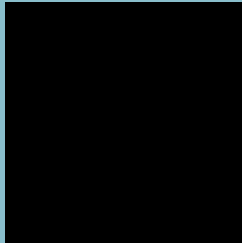
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4571, 0.2645, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 46.4571, 0.2645, 0.3111.



This preview shows how white text looks on a background with the Yxy color 46.4571, 0.2645, 0.3111.

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

46.4571, 0.2645, 0.3111

Protanopia

46.2117, 0.2994, 0.3084

Deuteranopia

46.0717, 0.2984, 0.2915



Tritanopia

46.5531, 0.2633, 0.3084

Trichromacy



Original Color

46.4571, 0.2645, 0.3111

Protanomaly

46.2970, 0.2855, 0.3091

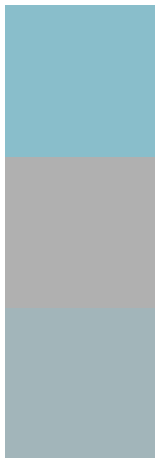
Deuteranomaly

45.8905, 0.2849, 0.2978

Tritanomaly

46.5049, 0.2639, 0.3097

Monochromacy



Original Color

46.4571, 0.2645, 0.3111

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.2743, 0.2931, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4571, 0.2645, 0.3111 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(137, 190, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 190, 203)  
}
```

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(137, 190, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 190, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.4571, 0.2645, 0.3111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

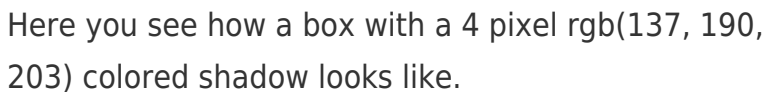
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 190, 203) }
```

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

```
.border{ border-color:rgb(137, 190, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 190, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 190, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 190, 203); box-shadow:4px 4px 4px 4px rgb(137, 190, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4571, 0.2645, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 190, 203) }
```

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

```
.background{ background-color: rgb(137,  
190, 203) }
```

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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