

# Converting Colors

$Y_{xy}(46.2630, 0.2706, 0.3162)$

Have a look what the booklet for  
Yxy(46.2630, 0.2706, 0.3162)  
contains.

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# Color

**Yxy(46.2232, 0.2708, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EBDC6
RGB	142, 189, 198
RGB Percent	56%, 74%, 78%
CMY	0.4431, 0.2588, 0.2235
CMYK	0.28, 0.05, 0.00, 0.22
HSL	190°, 33%, 67%
HSV	190°, 28%, 78%
XYZ	39.5489, 46.2232, 60.2727
YIQ	175.9730, -30.9010, -7.1650

# Conversions

## Conversions Part 2

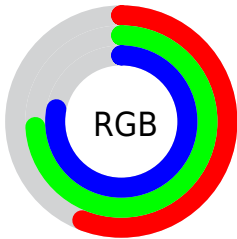
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 168, 198
Decimal	9354694
CIELab	73.69, -13.31, -9.58
CIELCh	74, 16.402, 215.731
Yxy	46.2232, 0.2708, 0.3165
Android (android.graphics.Color)	4287544774 (0xFF8EBDC6)
YUV	175.9730, 10.8593, -29.7943
Hunter-Lab	67.9876, -15.1435, -4.9707

# Details

The Yxy color **46.2232, 0.2708, 0.3165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.1049, 0.3708, 0.3411**, and the grayscale version is **43.3584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3951, 0.2781, 0.3183**, and **21.7956, 0.2598, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **43.2694, 0.2574, 0.3114**, and if you desaturate by 10%, it is **49.5220, 0.2851, 0.3213**.

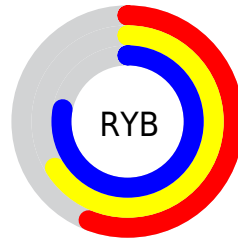
# Distribution



Red (56%)

Green (74%)

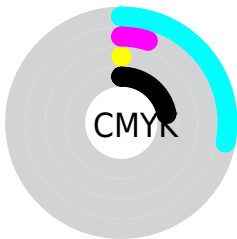
Blue (78%)



Red (56%)

Yellow (66%)

Blue (78%)

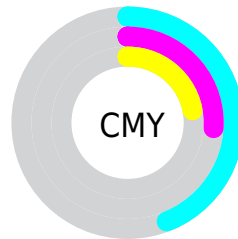


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (22%)



Cyan (44%)

Magenta (26%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2232, 0.2708, 0.3165 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 46.2232, 0.2708, 0.3165 by changing the saturation by 10% instead.



■ 46.2232, 0.2708,  
0.3165

■ 46.2232, 0.2708,  
0.3165

371.7053, 0.2915,  
0.3231

■ 32.4220, 0.2657,  
0.3148

■ 84.5529, 0.2783,  
0.3190

■ 21.6840, 0.2592,  
0.3125

■ 109.8503, 0.2811,  
0.3199

■ 13.6249, 0.2507,  
0.3094

139.7484, 0.2835,  
0.3206

■ 7.8603, 0.2390,  
0.3048

174.6318, 0.2855,  
0.3213

■ 4.0057, 0.2219,  
0.2978

214.8847, 0.2873,  
0.3218

■ 1.6767, 0.1950,  
0.2853

260.8917, 0.2889,

■ 0.4085, 0.0397,

0.3223

0.2563

313.0371, 0.2903,  
0.3227

0.0000, 0.0000,  
0.0000

46.2232, 0.2708,  
0.3165

46.2232, 0.2708,  
0.3165

43.2694, 0.2574,  
0.3114

49.5220, 0.2851,  
0.3213

40.6385, 0.2453,  
0.3061

53.1756, 0.3001,  
0.3257

38.3140, 0.2348,  
0.3005

57.2004, 0.3154,  
0.3297

36.2758, 0.2260,  
0.2948

61.6100, 0.3308,  
0.3333

34.5011, 0.2190,  
0.2890

66.4172, 0.3460,  
0.3365

■ 32.9632, 0.2140,  
0.2833

■ 70.5128, 0.3564,  
0.3395

■ 31.6208, 0.2107,  
0.2776

■ 72.0845, 0.3557,  
0.3428

■ 31.3989, 0.2102,  
0.2767

■ 73.6876, 0.3550,  
0.3460

■ 75.3223, 0.3543,  
0.3492

# Harmonies

## Analogous

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



46.2232, 0.2822, 0.3380



46.2232, 0.2708, 0.3165



46.2232, 0.2701, 0.2996

# Triad

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



46.2232, 0.2708, 0.3165



46.2232, 0.3225, 0.3028



46.2232, 0.3453, 0.3680

# Complementary

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



46.2232, 0.2708, 0.3165



36.1049, 0.3708, 0.3411

# 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.



46.2232, 0.3571, 0.3567



46.2232, 0.2708, 0.3165



46.2232, 0.3437, 0.3194

# Square

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



46.2232, 0.2708, 0.3165



46.2232, 0.2993, 0.2926



46.2232, 0.3565, 0.3389



46.2232, 0.3250, 0.3686



# Rectangle

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



46.2232, 0.2708, 0.3165



46.2232, 0.2758, 0.2929



46.2232, 0.3565, 0.3389



46.2232, 0.3504, 0.3652

# Sweetspot

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



46.2251, 0.2708, 0.3165



94.2563, 0.3003, 0.3257



48.3632, 0.3032, 0.3975



19.9540, 0.2980, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

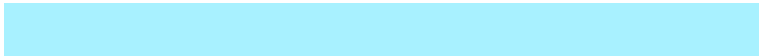


# Same Dimension

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



46.2251, 0.2708, 0.3165



78.5122, 0.2624, 0.3134



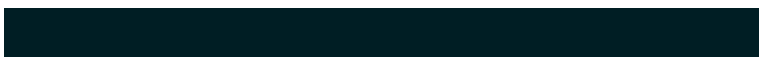
35.5355, 0.2667, 0.2771



11.7655, 0.2984, 0.3252



20.5209, 0.2104, 0.2774



1.0517, 0.2137, 0.2893



# Inverse Universe

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



35.0326, 0.3246, 0.2698



55.7294, 0.3278, 0.2566



45.9680, 0.3613, 0.3759



10.7862, 0.3162, 0.3098



9.6116, 0.3659, 0.1789

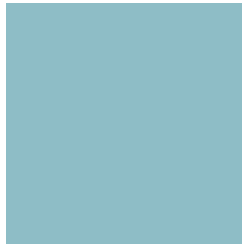


0.4632, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 46.2232, 0.2708, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

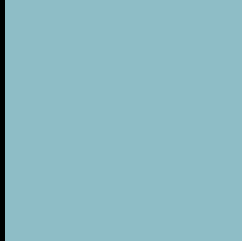
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2232, 0.2708, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

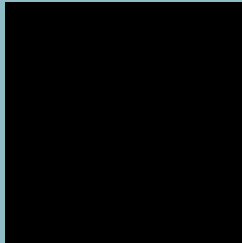
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

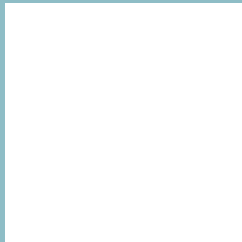
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.2232, 0.2708, 0.3165**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2232, 0.2708, 0.3165.

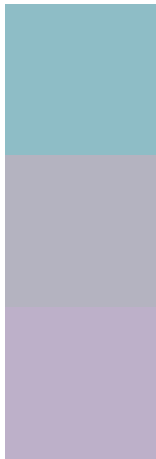


This preview shows how white text looks on a background with the Yxy color 46.2232, 0.2708, 0.3165.

# 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

46.2232, 0.2708, 0.3165

### Protanopia

45.7493, 0.3033, 0.3121

### Deuteranopia

46.0865, 0.3039, 0.2977



## Tritanopia

46.1179, 0.2682, 0.3085

# Trichromacy



**Original Color**

46.2232, 0.2708, 0.3165

**Protanomaly**

45.8690, 0.2905, 0.3143

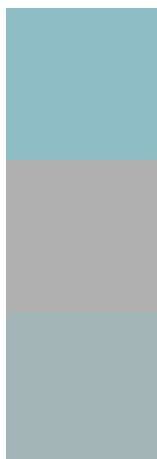
**Deuteranomaly**

45.9885, 0.2908, 0.3042

**Tritanomaly**

46.0231, 0.2694, 0.3111

# Monochromacy



**Original Color**

46.2232, 0.2708, 0.3165

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

44.4010, 0.2962, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2232, 0.2708, 0.3165 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(142, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(142, 189, 198)  
}
```

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(142, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 189, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2232, 0.2708, 0.3165 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(142, 189, 198) }
```

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

```
.border{ border-color:rgb(142, 189, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 189, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 189, 198);  
box-shadow:4px 4px 4px 4px rgb(142, 189,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2232, 0.2708, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 189, 198) }
```

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

```
.background{ background-color: rgb(142,  
189, 198) }
```

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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