

# Converting Colors

$Yxy(56.6957, 0.2807, 0.3221)$

Have a look what the booklet for  
Yxy(56.6957, 0.2807, 0.3221)  
contains.

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# Color

**Yxy(56.4728, 0.2807, 0.3214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6CDD3
RGB	166, 205, 211
RGB Percent	65%, 80%, 83%
CMY	0.3488, 0.1961, 0.1726
CMYK	0.21, 0.03, 0.00, 0.17
HSL	188°, 34%, 74%
HSV	188°, 21%, 83%
XYZ	49.3215, 56.4728, 69.9145
YIQ	194.0230, -25.1700, -6.4020

# Conversions

## Conversions Part 2

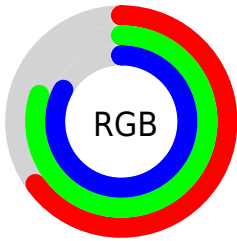
Format	Color
R <sub>YB</sub>	166, 187, 211
Decimal	10931667
CIE Lab	79.88, -11.49, -7.23
CIE LCh	80, 13.577, 212.174
Yxy	56.4728, 0.2807, 0.3214
Android (android.graphics.Color)	4289121747 (0xFFA6CDD3)
YUV	194.0230, 8.3697, -24.5762
Hunter-Lab	75.1484, -14.3564, -2.5568

# Details

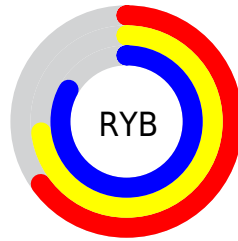
The Yxy color **56.4728, 0.2807, 0.3214** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1225, 0.3539, 0.3365**, and the grayscale version is **53.9302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **28.0782, 0.2720, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **53.0451, 0.2668, 0.3174**, and if you desaturate by 10%, it is **60.3033, 0.2954, 0.3251**.

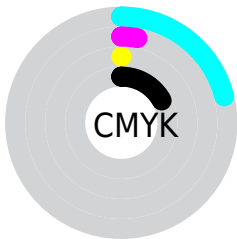
# Distribution



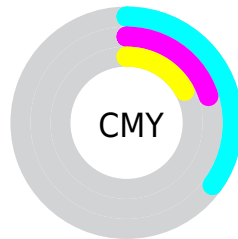
- Red (65%)
- Green (80%)
- Blue (83%)



- Red (65%)
- Yellow (73%)
- Blue (83%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4728, 0.2807, 0.3214 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 56.4728, 0.2807, 0.3214 by changing the saturation by 10% instead.



■ 56.4728, 0.2807,  
0.3214

■ 56.4728, 0.2807,  
0.3214

411.4709, 0.2960,  
0.3253

■ 40.5821, 0.2771,  
0.3204

■ 99.6955, 0.2861,  
0.3228

■ 27.9927, 0.2725,  
0.3192

■ 127.7964, 0.2882,  
0.3233

■ 18.3202, 0.2666,  
0.3175

160.7360, 0.2900,  
0.3238

■ 11.1801, 0.2586,  
0.3151

198.8990, 0.2915,  
0.3242

■ 6.1881, 0.2474,  
0.3116

242.6695, 0.2929,  
0.3245

■ 2.9598, 0.2305,  
0.3057

292.4321, 0.2941,

■ 1.1108, 0.2015,

0.3248

0.2948

348.5711, 0.2951,  
0.3250

0.0000, 0.0000,  
0.0000

56.4728, 0.2807,  
0.3214

56.4728, 0.2807,  
0.3214

53.0451, 0.2668,  
0.3174

60.3033, 0.2954,  
0.3251

49.9950, 0.2540,  
0.3131

64.5469, 0.3107,  
0.3286

47.3050, 0.2426,  
0.3086

69.2218, 0.3262,  
0.3317

44.9531, 0.2329,  
0.3040

74.3433, 0.3417,  
0.3345

42.9153, 0.2251,  
0.2993

76.6511, 0.3447,  
0.3373

■ 41.1635, 0.2191,  
0.2946

■ 78.1308, 0.3442,  
0.3401

■ 39.6646, 0.2151,  
0.2899

■ 79.6354, 0.3437,  
0.3429

■ 38.5147, 0.2128,  
0.2859

■ 81.1650, 0.3433,  
0.3457

■ 82.7197, 0.3428,  
0.3485

# Harmonies

## Analogous

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



56.4728, 0.2906, 0.3380



56.4728, 0.2807, 0.3214



56.4728, 0.2791, 0.3076

# Triad

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



56.4728, 0.2807, 0.3214



56.4728, 0.3182, 0.3073



56.4728, 0.3395, 0.3585

# Complementary

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



56.4728, 0.2807, 0.3214



46.1225, 0.3539, 0.3365

# 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.



56.4728, 0.3475, 0.3493



56.4728, 0.2807, 0.3214



56.4728, 0.3350, 0.3199

# Square

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



56.4728, 0.2807, 0.3214



56.4728, 0.3004, 0.3000



56.4728, 0.3458, 0.3351



56.4728, 0.3244, 0.3599



# Rectangle

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



56.4728, 0.2807, 0.3214



56.4728, 0.2829, 0.3017



56.4728, 0.3458, 0.3351



56.4728, 0.3431, 0.3562

# Sweetspot

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



56.4751, 0.2807, 0.3214



95.9190, 0.3034, 0.3270



57.6432, 0.3065, 0.3807



20.4386, 0.3024, 0.3268



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

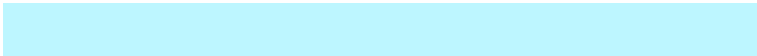


# Same Dimension

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



56.4751, 0.2807, 0.3214



84.0131, 0.2736, 0.3194



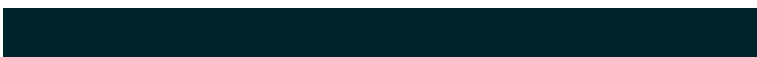
46.7969, 0.2788, 0.2932



13.1271, 0.2983, 0.3258



23.3577, 0.2130, 0.2866



1.3823, 0.2153, 0.2951



# Inverse Universe

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



45.5466, 0.3202, 0.2831



64.1903, 0.3223, 0.2721



55.0777, 0.3486, 0.3623



11.9808, 0.3158, 0.3091



10.4292, 0.3574, 0.1743

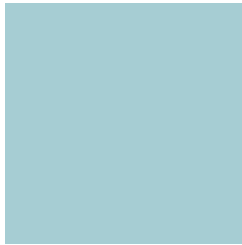


0.5908, 0.3498, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 56.4728, 0.2807, 0.3214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

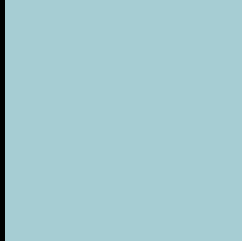
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.4728, 0.2807, 0.3214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

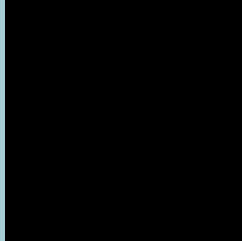
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

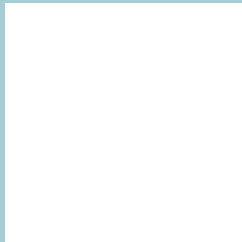
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.4728, 0.2807, 0.3214**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4728, 0.2807, 0.3214.



This preview shows how white text looks on a background with the Yxy color 56.4728, 0.2807, 0.3214.

# 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

56.4728, 0.2807, 0.3214

### Protanopia

56.0782, 0.3078, 0.3171

### Deuteranopia

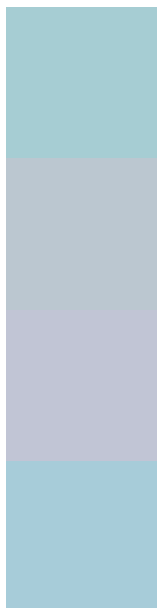
56.1096, 0.3099, 0.3036



## Tritanopia

56.6779, 0.2763, 0.3092

# Trichromacy



## Original Color

56.4728, 0.2807, 0.3214

## Protanomaly

55.9657, 0.2972, 0.3180

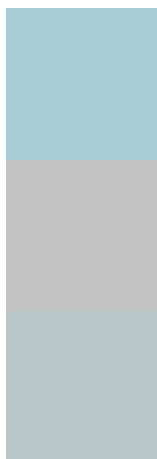
## Deuteranomaly

56.0741, 0.2982, 0.3098

## Tritanomaly

56.4110, 0.2775, 0.3128

# Monochromacy



## Original Color

56.4728, 0.2807, 0.3214

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.7486, 0.3005, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.4728, 0.2807, 0.3214 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(166, 205, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 205, 211)  
}
```

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(166, 205, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 205, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4728, 0.2807, 0.3214 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(166, 205, 211) }
```

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

```
.border{ border-color:rgb(166, 205, 211) }
```

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

Here you see how a box with a 4 pixel rgb(166, 205, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 205, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 205, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 205,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4728, 0.2807, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 205, 211) }
```

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

```
.background{ background-color: rgb(166,  
205, 211) }
```

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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