

# Converting Colors

Yxy(61.5686, 0.2842, 0.3459)

Have a look what the booklet for  
Yxy(61.5686, 0.2842, 0.3459)  
contains.

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# Color

**Yxy(61.7240, 0.2846, 0.3464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3D9CB
RGB	163, 217, 203
RGB Percent	64%, 85%, 80%
CMY	0.3604, 0.1491, 0.2039
CMYK	0.25, 0.00, 0.06, 0.15
HSL	164°, 41%, 75%
HSV	164°, 25%, 85%
XYZ	50.7120, 61.7240, 65.7510
YIQ	199.2580, -27.6900, -15.8020

# Conversions

## Conversions Part 2

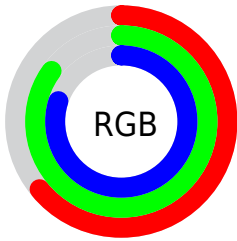
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 194, 217
Decimal	10738123
CIE Lab	82.77, -20.18, 1.24
CIE LCh	83, 20.221, 176.488
Yxy	61.7240, 0.2846, 0.3464
Android (android.graphics.Color)	4288928203 (0xFFA3D9CB)
YUV	199.2580, 1.8448, -31.7983
Hunter-Lab	78.5646, -22.2696, 5.3752

# Details

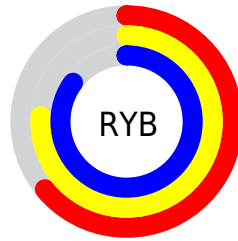
The Yxy color **61.7240, 0.2846, 0.3464** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1537, 0.3514, 0.3124**, and the grayscale version is **57.2932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **31.3256, 0.2775, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **59.3642, 0.2746, 0.3545**, and if you desaturate by 10%, it is **64.4916, 0.2955, 0.3389**.

# Distribution



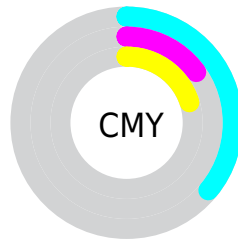
- Red (64%)
- Green (85%)
- Blue (80%)



- Red (64%)
- Yellow (76%)
- Blue (85%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)




- Cyan (36%)
- Magenta (15%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7240, 0.2846, 0.3464 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 61.7240, 0.2846, 0.3464 by changing the saturation by 10% instead.




 61.7240, 0.2846,  
0.3464


 61.7240, 0.2846,  
0.3464


430.9236, 0.2980,  
0.3381

 44.8097, 0.2814,  
0.3484


 107.3265, 0.2893,  
0.3435

 31.3076, 0.2775,  
0.3509

 136.7836, 0.2911,  
0.3423

 20.8332, 0.2724,  
0.3541


171.1903, 0.2927,  
0.3414

 13.0021, 0.2655,  
0.3584

210.9312, 0.2940,  
0.3405

 7.4300, 0.2559,  
0.3645

256.3906, 0.2952,  
0.3398

 3.7324, 0.2415,  
0.3738

307.9528, 0.2963,

 1.5250, 0.2173,

0.3392

0.3896

366.0024, 0.2972,  
0.3386

0.3063, 0.0000,  
0.5537

0.0000, 0.0000,  
0.0000

61.7240, 0.2846,  
0.3464

61.7240, 0.2846,  
0.3464

59.3642, 0.2746,  
0.3545

64.4916, 0.2955,  
0.3389

57.3845, 0.2659,  
0.3632

67.6782, 0.3070,  
0.3321

55.7655, 0.2586,  
0.3724

71.3037, 0.3189,  
0.3259

54.4830, 0.2531,  
0.3819


75.3849, 0.3309,  
0.3204


 53.5097, 0.2495,  
0.3916


 76.6546, 0.3307,  
0.3149


 52.8142, 0.2479,  
0.4014

 76.9778, 0.3268,  
0.3094

 52.3579, 0.2482,  
0.4111

 77.3112, 0.3229,  
0.3040

 52.1818, 0.2489,  
0.4160

 77.6551, 0.3191,  
0.2986

 78.0094, 0.3154,  
0.2933

# Harmonies

## Analogous

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



61.7240, 0.3084, 0.3663



61.7240, 0.2846, 0.3464



61.7240, 0.2687, 0.3220

# Triad

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



61.7240, 0.2846, 0.3464



61.7240, 0.2903, 0.2868



61.7240, 0.3638, 0.3542

# Complementary

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



61.7240, 0.2846, 0.3464



44.1537, 0.3514, 0.3124

# 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.



61.7240, 0.3588, 0.3331



61.7240, 0.2846, 0.3464



61.7240, 0.3155, 0.2954

# Square

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



61.7240, 0.2846, 0.3464



61.7240, 0.2718, 0.2885



61.7240, 0.3408, 0.3120



61.7240, 0.3545, 0.3697



# Rectangle

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



61.7240, 0.2846, 0.3464



61.7240, 0.2643, 0.3072



61.7240, 0.3408, 0.3120



61.7240, 0.3637, 0.3475

# Sweetspot

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



61.7265, 0.2846, 0.3464



96.4760, 0.3044, 0.3335



61.6669, 0.3198, 0.3971



20.5879, 0.3037, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

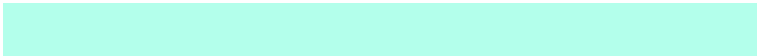


# Same Dimension

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



61.7265, 0.2846, 0.3464



87.0525, 0.2790, 0.3507



56.1861, 0.2750, 0.3132



14.7689, 0.3016, 0.3351



31.6115, 0.2485, 0.4146



2.0617, 0.2441, 0.3989



# Inverse Universe

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



44.1537, 0.3514, 0.3124



57.3924, 0.3628, 0.3085



48.3177, 0.3612, 0.3442



13.1066, 0.3251, 0.3230



9.1189, 0.5890, 0.3018

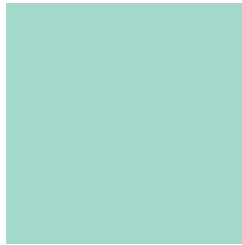


0.6048, 0.5421, 0.2760



# Previews

## White Background



This preview shows how the Yxy color 61.7240, 0.2846, 0.3464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

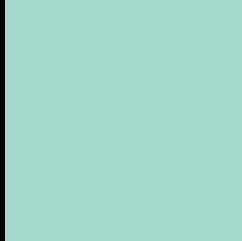
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7240, 0.2846, 0.3464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

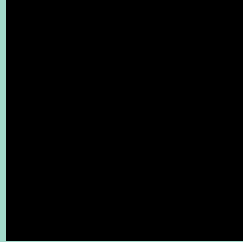
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

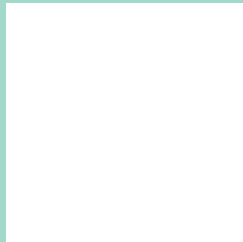
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7240, 0.2846, 0.3464**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7240, 0.2846, 0.3464.



This preview shows how white text looks on a background with the Yxy color 61.7240, 0.2846, 0.3464.

# 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

61.7240, 0.2846, 0.3464

### Protanopia

61.4970, 0.3238, 0.3395

### Deuteranopia

61.1991, 0.3265, 0.3201



## Tritanopia

61.7367, 0.2721, 0.3086

# Trichromacy



**Original Color**

61.7240, 0.2846, 0.3464

**Protanomaly**

61.1938, 0.3084, 0.3410

**Deuteranomaly**

61.1554, 0.3097, 0.3290

**Tritanomaly**

61.4759, 0.2767, 0.3216

# Monochromacy



**Original Color**

61.7240, 0.2846, 0.3464

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

58.7518, 0.3019, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7240, 0.2846, 0.3464 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(163, 217, 203)` looks like.

```
.text, #text, p{  
    color:rgb(163, 217, 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(163, 217, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 217, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7240, 0.2846, 0.3464 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(163, 217, 203) }
```

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

```
.border{ border-color:rgb(163, 217, 203) }
```

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

Here you see how a box with a 4 pixel rgb(163, 217, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 217, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 217, 203);  
box-shadow:4px 4px 4px 4px rgb(163, 217,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7240, 0.2846, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 217, 203) }
```

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

```
.background{ background-color: rgb(163,  
217, 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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