

# Converting Colors

$Y_{xy}(61.1491, 0.2655, 0.3411)$

Have a look what the booklet for  
Yxy(61.1491, 0.2655, 0.3411)  
contains.

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# Color

**Yxy(61.1579, 0.2656, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89DCD2
RGB	137, 220, 210
RGB Percent	54%, 86%, 82%
CMY	0.4630, 0.1372, 0.1764
CMYK	0.38, 0.00, 0.05, 0.14
HSL	173°, 54%, 70%
HSV	173°, 38%, 86%
XYZ	47.5374, 61.1579, 70.2859
YIQ	194.0430, -46.2580, -20.7060

# Conversions

## Conversions Part 2

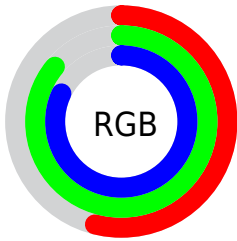
Format	Color
<a href="#">RYB</a>	<a href="#">137, 181, 220</a>
Decimal	<a href="#">9034962</a>
CIELab	<a href="#">82.46, -27.52, -3.08</a>
CIElCh	<a href="#">82, 27.695, 186.393</a>
Yxy	<a href="#">61.1579, 0.2656, 0.3417</a>
Android (android.graphics.Color)	<a href="#">4287225042 (0xFF89DCD2)</a>
YUV	<a href="#">194.0430, 7.8668, -50.0267</a>
Hunter-Lab	<a href="#">78.2035, -28.3517, 1.4552</a>

# Details

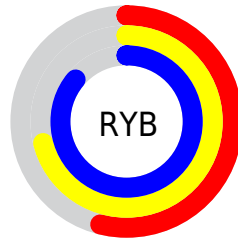
The Yxy color **61.1579, 0.2656, 0.3417** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1971, 0.3939, 0.3171**, and the grayscale version is **53.9432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **31.1044, 0.2540, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **59.3569, 0.2560, 0.3456**, and if you desaturate by 10%, it is **63.3450, 0.2767, 0.3380**.

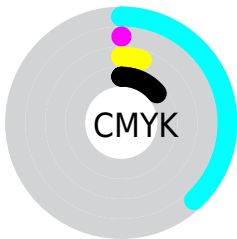
# Distribution



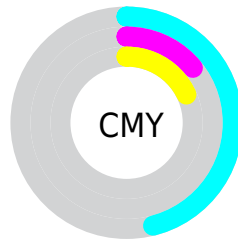
- Red (54%)
- Green (86%)
- Blue (82%)



- Red (54%)
- Yellow (71%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)




- Cyan (46%)
- Magenta (14%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1579, 0.2656, 0.3417 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 61.1579, 0.2656, 0.3417 by changing the saturation by 10% instead.




 61.1579, 0.2656,  
0.3417

 61.1579, 0.2656,  
0.3417


428.8527, 0.2879,  
0.3359


 44.3526, 0.2604,  
0.3430


 106.5075, 0.2734,  
0.3397

 30.9478, 0.2539,  
0.3446


 135.8207, 0.2764,  
0.3389

 20.5591, 0.2456,  
0.3466


 170.0719, 0.2790,  
0.3382

 12.8021, 0.2346,  
0.3492

209.6455, 0.2813,  
0.3376

 7.2924, 0.2194,  
0.3526

254.9260, 0.2832,  
0.3371

 3.6456, 0.1970,  
0.3572

306.2978, 0.2850,

 1.4774, 0.1580,

0.3367

364.1453, 0.2865,  
0.3363

0.3649

0.2727, 0.0000,  
0.3473

0.0000, 0.0000,  
0.0000

61.1579, 0.2656,  
0.3417

61.1579, 0.2656,  
0.3417

59.3569, 0.2560,  
0.3456

63.3450, 0.2767,  
0.3380

57.9114, 0.2481,  
0.3497

65.9321, 0.2889,  
0.3345

56.7982, 0.2421,  
0.3539

68.9413, 0.3021,  
0.3313

55.9880, 0.2380,  
0.3581

72.3911, 0.3158,  
0.3284

■ 55.4465, 0.2359,  
0.3623

■ 76.2986, 0.3300,  
0.3257

■ 55.1261, 0.2354,  
0.3664

■ 77.9378, 0.3340,  
0.3232

■ 55.0676, 0.2354,  
0.3674

■ 78.0840, 0.3322,  
0.3205

■ 78.2326, 0.3303,  
0.3179

■ 78.3834, 0.3285,  
0.3153

# Harmonies

## Analogous

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



61.1579, 0.2949, 0.3733



61.1579, 0.2656, 0.3417



61.1579, 0.2491, 0.3082

# Triad

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



61.1579, 0.2656, 0.3417



61.1579, 0.2925, 0.2746



61.1579, 0.3808, 0.3708

# Complementary

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



61.1579, 0.2656, 0.3417



35.1971, 0.3939, 0.3171

# 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.



61.1579, 0.3808, 0.3436



61.1579, 0.2656, 0.3417



61.1579, 0.3281, 0.2900

# Square

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



61.1579, 0.2656, 0.3417



61.1579, 0.2639, 0.2717



61.1579, 0.3611, 0.3146



61.1579, 0.3618, 0.3890



# Rectangle

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



61.1579, 0.2656, 0.3417



61.1579, 0.2469, 0.2901



61.1579, 0.3611, 0.3146



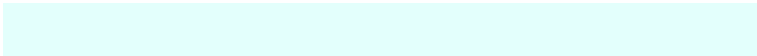
61.1579, 0.3831, 0.3623

# Sweetspot

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



61.1603, 0.2656, 0.3417



94.8474, 0.2976, 0.3323



59.2947, 0.3147, 0.4409



20.1765, 0.2958, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

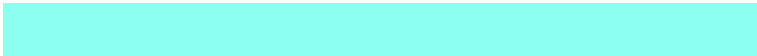


# Same Dimension

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



61.1603, 0.2656, 0.3417



83.4801, 0.2582, 0.3447



47.1151, 0.2544, 0.2886



14.8012, 0.2998, 0.3318



32.3258, 0.2352, 0.3667



2.1020, 0.2333, 0.3599



# Inverse Universe

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



35.1971, 0.3939, 0.3171



42.4240, 0.4193, 0.3149



44.8068, 0.3912, 0.3658



13.0769, 0.3273, 0.3262



8.9835, 0.6244, 0.3213

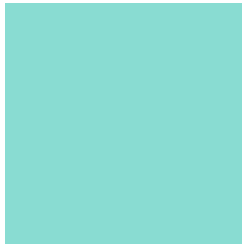


0.5906, 0.5895, 0.3021



# Previews

## White Background



This preview shows how the Yxy color 61.1579, 0.2656, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

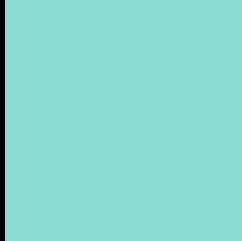
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.1579, 0.2656, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

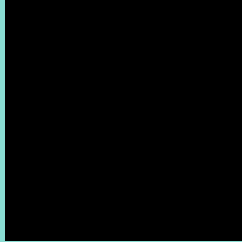
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

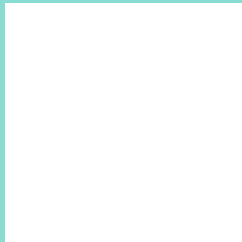
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.1579, 0.2656, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1579, 0.2656, 0.3417.

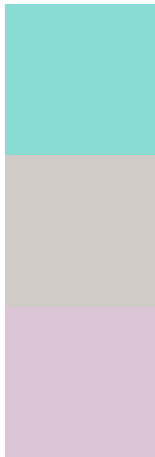


This preview shows how white text looks on a background with the Yxy color 61.1579, 0.2656, 0.3417.

# 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

61.1579, 0.2656, 0.3417

### Protanopia

60.4373, 0.3195, 0.3325

### Deuteranopia

60.3545, 0.3167, 0.3100



## Tritanopia

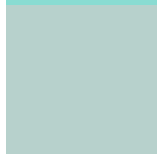
60.8919, 0.2555, 0.3067

# Trichromacy



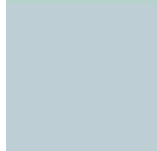
## Original Color

61.1579, 0.2656, 0.3417



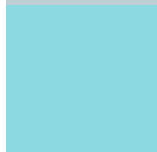
## Protanomaly

60.0278, 0.2971, 0.3350



## Deuteranomaly

59.7655, 0.2954, 0.3206



## Tritanomaly

60.7247, 0.2593, 0.3188

# Monochromacy



## Original Color

61.1579, 0.2656, 0.3417



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

55.7662, 0.2924, 0.3327

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1579, 0.2656, 0.3417 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, 220, 210)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 210)  
}
```

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, 220, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1579, 0.2656, 0.3417 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, 220, 210) }
```

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

```
.border{ border-color:rgb(137, 220, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 210);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1579, 0.2656, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 210) }
```

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

```
.background{ background-color: rgb(137,  
220, 210) }
```

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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