

# Converting Colors

$Yxy(62.1754, 0.2722, 0.3388)$

Have a look what the booklet for  
Yxy(62.1754, 0.2722, 0.3388)  
contains.

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# Color

**Yxy(61.9005, 0.2716, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96DBD4
RGB	150, 219, 212
RGB Percent	59%, 86%, 83%
CMY	0.4120, 0.1411, 0.1686
CMYK	0.32, 0.00, 0.03, 0.14
HSL	174°, 49%, 72%
HSV	174°, 32%, 86%
XYZ	49.7844, 61.9005, 71.6154
YIQ	197.5710, -38.8770, -16.8050

# Conversions

## Conversions Part 2

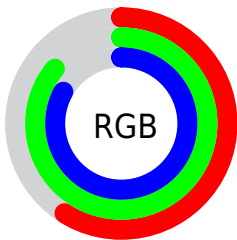
Format	Color
<a href="#">RYB</a>	<a href="#">150, 186, 219</a>
Decimal	<a href="#">9886676</a>
CIELab	<a href="#">82.86, -23.08, -3.48</a>
CIELCh	<a href="#">83, 23.338, 188.582</a>
Yxy	<a href="#">61.9005, 0.2716, 0.3377</a>
Android (android.graphics.Color)	<a href="#">4288076756 (0xFF96DBD4)</a>
YUV	<a href="#">197.5710, 7.1135, -41.7198</a>
Hunter-Lab	<a href="#">78.6769, -24.7351, 1.1052</a>

# Details

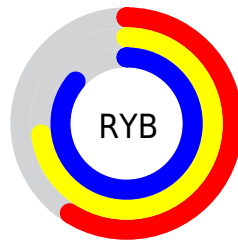
The Yxy color **61.9005, 0.2716, 0.3377** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2872, 0.3771, 0.3207**, and the grayscale version is **56.1654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **31.4720, 0.2619, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **59.9055, 0.2609, 0.3409**, and if you desaturate by 10%, it is **64.2902, 0.2836, 0.3347**.

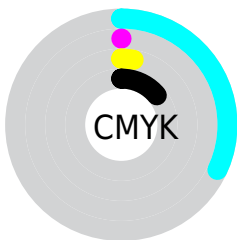
# Distribution



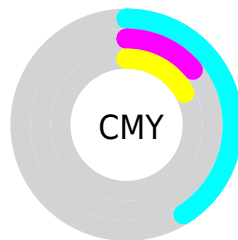
- Red (59%)
- Green (86%)
- Blue (83%)



- Red (59%)
- Yellow (73%)
- Blue (86%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)




- Cyan (41%)
- Magenta (14%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9005, 0.2716, 0.3377 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 61.9005, 0.2716, 0.3377 by changing the saturation by 10% instead.




 61.9005, 0.2716,  
0.3377


 61.9005, 0.2716,  
0.3377


431.5681, 0.2910,  
0.3338

 44.9523, 0.2671,  
0.3386

 107.5817, 0.2784,  
0.3364

 31.4199, 0.2614,  
0.3396


 137.0835, 0.2810,  
0.3358

 20.9188, 0.2542,  
0.3409


171.5387, 0.2833,  
0.3354

 13.0646, 0.2446,  
0.3426

211.3315, 0.2853,  
0.3350

 7.4731, 0.2313,  
0.3448

256.8465, 0.2870,  
0.3346

 3.7597, 0.2118,  
0.3476

308.4680, 0.2885,

 1.5401, 0.1802,

0.3343

0.3513

366.5804, 0.2898,  
0.3340

0.3167, 0.0000,  
0.3499

0.0000, 0.0000,  
0.0000

61.9005, 0.2716,  
0.3377

61.9005, 0.2716,  
0.3377

59.9055, 0.2609,  
0.3409

64.2902, 0.2836,  
0.3347

58.2761, 0.2518,  
0.3442

67.0873, 0.2967,  
0.3319

56.9910, 0.2445,  
0.3477

70.3127, 0.3105,  
0.3294

56.0235, 0.2390,  
0.3512

73.9841, 0.3248,  
0.3271

■ 55.3432, 0.2356,  
0.3547

■ 77.2652, 0.3361,  
0.3250

■ 54.9134, 0.2339,  
0.3582

■ 77.3859, 0.3345,  
0.3227

■ 54.6931, 0.2336,  
0.3611

■ 77.5082, 0.3330,  
0.3205

■ 77.6321, 0.3314,  
0.3183

■ 77.7576, 0.3299,  
0.3161

# Harmonies

## Analogous

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



61.9005, 0.2958, 0.3642



61.9005, 0.2716, 0.3377



61.9005, 0.2584, 0.3100

# Triad

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



61.9005, 0.2716, 0.3377



61.9005, 0.2979, 0.2834



61.9005, 0.3692, 0.3660

# Complementary

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



61.9005, 0.2716, 0.3377



39.2872, 0.3771, 0.3207

# 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.



61.9005, 0.3703, 0.3435



61.9005, 0.2716, 0.3377



61.9005, 0.3280, 0.2973

# Square

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



61.9005, 0.2716, 0.3377



61.9005, 0.2730, 0.2803



61.9005, 0.3549, 0.3188



61.9005, 0.3525, 0.3801



# Rectangle

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



61.9005, 0.2716, 0.3377



61.9005, 0.2572, 0.2951



61.9005, 0.3549, 0.3188



61.9005, 0.3715, 0.3592

# Sweetspot

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



61.9030, 0.2716, 0.3377



95.7551, 0.3001, 0.3313



60.1398, 0.3139, 0.4201



20.3589, 0.2981, 0.3317



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.



61.9030, 0.2716, 0.3377



85.4022, 0.2642, 0.3398



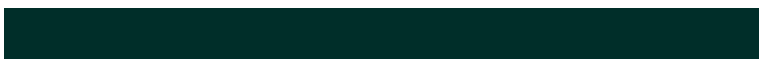
49.5280, 0.2637, 0.2946



14.8056, 0.2996, 0.3314



32.4346, 0.2335, 0.3605



2.1080, 0.2319, 0.3549



# Inverse Universe

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



39.2872, 0.3771, 0.3207



48.5724, 0.3975, 0.3189



48.4767, 0.3746, 0.3609



13.0729, 0.3276, 0.3267



8.9723, 0.6276, 0.3231



0.5887, 0.5967, 0.3061



# Previews

## White Background



This preview shows how the Yxy color 61.9005, 0.2716, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

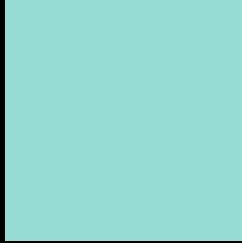
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.9005, 0.2716, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

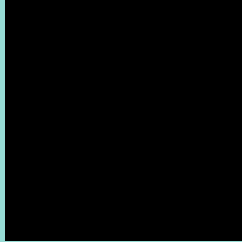
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

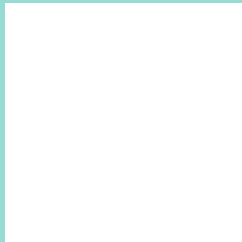
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.9005, 0.2716, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9005, 0.2716, 0.3377.

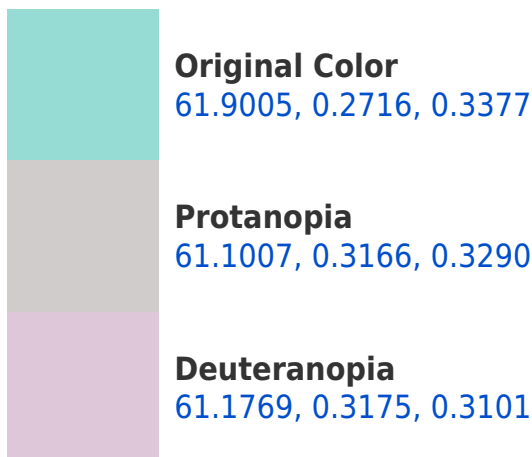


This preview shows how white text looks on a background with the Yxy color 61.9005, 0.2716, 0.3377.

# 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





## Tritanopia

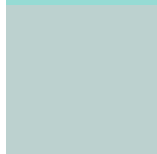
61.9635, 0.2626, 0.3083

# Trichromacy



## Original Color

61.9005, 0.2716, 0.3377



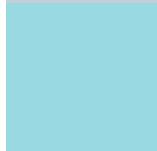
## Protanomaly

60.7973, 0.2987, 0.3314



## Deuteranomaly

60.6510, 0.2984, 0.3184



## Tritanomaly

61.8343, 0.2659, 0.3190

# Monochromacy



## Original Color

61.9005, 0.2716, 0.3377



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.2782, 0.2963, 0.3326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9005, 0.2716, 0.3377 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(150, 219, 212)` looks like.

```
.text, #text, p{  
    color:rgb(150, 219, 212)  
}
```

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(150, 219, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 219, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9005, 0.2716, 0.3377 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(150, 219, 212) }
```

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

```
.border{ border-color:rgb(150, 219, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 219, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 219, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 219, 212);  
box-shadow:4px 4px 4px 4px rgb(150, 219,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9005, 0.2716, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 219, 212) }
```

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

```
.background{ background-color: rgb(150,  
219, 212) }
```

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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