

# Converting Colors

$Yxy(62.1527, 0.2690, 0.3380)$

Have a look what the booklet for  
Yxy(62.1527, 0.2690, 0.3380)  
contains.

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# Color

**Yxy(62.1015, 0.2690, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92DCD5
RGB	146, 220, 213
RGB Percent	57%, 86%, 84%
CMY	0.4271, 0.1373, 0.1647
CMYK	0.34, 0.00, 0.03, 0.14
HSL	174°, 51%, 72%
HSV	174°, 34%, 86%
XYZ	49.4679, 62.1015, 72.3261
YIQ	197.0760, -41.8570, -17.8650

# Conversions

## Conversions Part 2

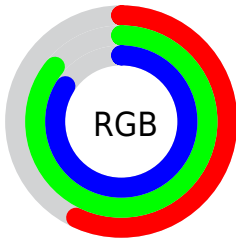
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 185, 220
Decimal	9624789
CIELab	82.97, -24.39, -3.87
CIELCh	83, 24.699, 189.019
Yxy	62.1015, 0.2690, 0.3377
Android (android.graphics.Color)	4287814869 (0xFF92DCD5)
YUV	197.0760, 7.8505, -44.7937
Hunter-Lab	78.8045, -25.8582, 0.7473

# Details

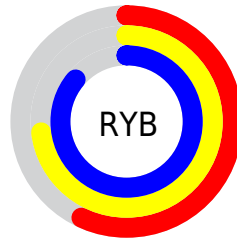
The Yxy color **62.1015, 0.2690, 0.3377** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1012, 0.3836, 0.3208**, and the grayscale version is **55.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **31.6542, 0.2588, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **60.1716, 0.2585, 0.3407**, and if you desaturate by 10%, it is **64.4257, 0.2809, 0.3349**.

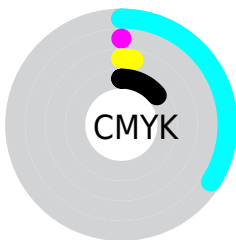
# Distribution



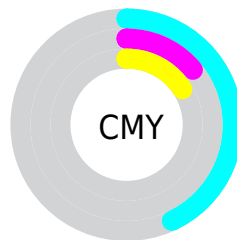
- Red (57%)
- Green (86%)
- Blue (84%)



- Red (57%)
- Yellow (73%)
- Blue (86%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)




- Cyan (43%)
- Magenta (14%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1015, 0.2690, 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 62.1015, 0.2690, 0.3377 by changing the saturation by 10% instead.




 62.1015, 0.2690,  
0.3377

 62.1015, 0.2690,  
0.3377


432.3012, 0.2896,  
0.3338

 45.1147, 0.2642,  
0.3386


 107.8722, 0.2762,  
0.3364

 31.5478, 0.2582,  
0.3396

 137.4249, 0.2790,  
0.3359

 21.0163, 0.2506,  
0.3408


171.9351, 0.2814,  
0.3354

 13.1359, 0.2405,  
0.3424

211.7871, 0.2835,  
0.3350

 7.5222, 0.2265,  
0.3445

257.3653, 0.2853,  
0.3347

 3.7908, 0.2060,  
0.3470

309.0541, 0.2869,

 1.5572, 0.1729,

0.3343

367.2380, 0.2883,  
0.3341

0.3501

0.3285, 0.0000,  
0.3433

0.0000, 0.0000,  
0.0000

62.1015, 0.2690,  
0.3377

62.1015, 0.2690,  
0.3377

60.1716, 0.2585,  
0.3407

64.4257, 0.2809,  
0.3349

58.6062, 0.2497,  
0.3438


67.1573, 0.2938,  
0.3322


57.3833, 0.2427,  
0.3470


70.3179, 0.3076,  
0.3298


56.4751, 0.2377,  
0.3503


73.9254, 0.3219,  
0.3276


 55.8499, 0.2345,  
0.3535


 77.7909, 0.3357,  
0.3256

 55.4690, 0.2332,  
0.3568

 77.9041, 0.3343,  
0.3236

 55.3125, 0.2330,  
0.3588

 78.0188, 0.3328,  
0.3215

 78.1349, 0.3314,  
0.3194

 78.2524, 0.3300,  
0.3174

# Harmonies

## Analogous

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



62.1015, 0.2944, 0.3659



62.1015, 0.2690, 0.3377



62.1015, 0.2553, 0.3084

# Triad

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



62.1015, 0.2690, 0.3377



62.1015, 0.2975, 0.2811



62.1015, 0.3723, 0.3683

# Complementary

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



62.1015, 0.2690, 0.3377



38.1012, 0.3836, 0.3208

# 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.



62.1015, 0.3737, 0.3446



62.1015, 0.2690, 0.3377



62.1015, 0.3293, 0.2958

# Square

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



62.1015, 0.2690, 0.3377



62.1015, 0.2711, 0.2776



62.1015, 0.3577, 0.3185



62.1015, 0.3543, 0.3831



# Rectangle

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



62.1015, 0.2690, 0.3377



62.1015, 0.2542, 0.2929



62.1015, 0.3577, 0.3185



62.1015, 0.3748, 0.3610

# Sweetspot

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



62.1040, 0.2690, 0.3377



95.3259, 0.2986, 0.3314



60.0780, 0.3130, 0.4273



20.2738, 0.2967, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

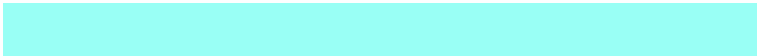


# Same Dimension

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



62.1040, 0.2690, 0.3377



84.9060, 0.2618, 0.3397



48.2986, 0.2603, 0.2904



14.8072, 0.2995, 0.3312



32.4747, 0.2329, 0.3583



2.1102, 0.2314, 0.3531



# Inverse Universe

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



38.1012, 0.3836, 0.3208



46.6744, 0.4048, 0.3191



48.2049, 0.3793, 0.3645



13.0714, 0.3277, 0.3268



8.9686, 0.6287, 0.3237

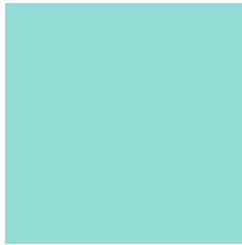


0.5880, 0.5994, 0.3076



# Previews

## White Background



This preview shows how the Yxy color 62.1015, 0.2690, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

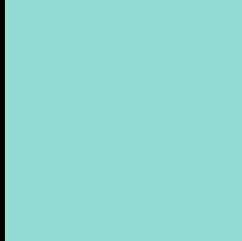
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1015, 0.2690, 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

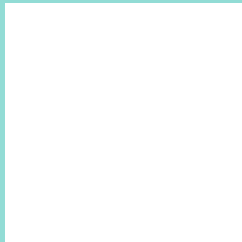
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.1015, 0.2690, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1015, 0.2690, 0.3377.

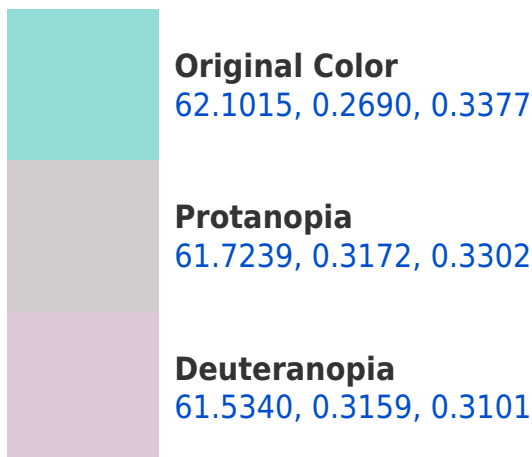


This preview shows how white text looks on a background with the Yxy color 62.1015, 0.2690, 0.3377.

# 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

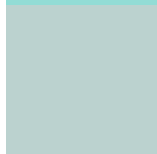
62.1455, 0.2600, 0.3082

# Trichromacy



## Original Color

62.1015, 0.2690, 0.3377



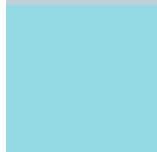
## Protanomaly

61.1630, 0.2980, 0.3326



## Deuteranomaly

60.9210, 0.2963, 0.3184



## Tritanomaly

62.0234, 0.2633, 0.3190

# Monochromacy



## Original Color

62.1015, 0.2690, 0.3377



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

57.4394, 0.2941, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1015, 0.2690, 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(146, 220, 213)` looks like.

```
.text, #text, p{  
    color:rgb(146, 220, 213)  
}
```

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(146, 220, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 220, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1015, 0.2690, 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(146, 220, 213) }
```

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

```
.border{ border-color:rgb(146, 220, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 220, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 220, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 220, 213); box-shadow:4px 4px 4px 4px rgb(146, 220, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1015, 0.2690, 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(146, 220, 213) }
```

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

```
.background{ background-color: rgb(146,  
220, 213) }
```

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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