

# Converting Colors

$Yxy(62.8186, 0.2527, 0.3430)$

Have a look what the booklet for  
Yxy(62.8186, 0.2527, 0.3430)  
contains.

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# Color

**Yxy(62.8097, 0.2528, 0.3431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71E2D7
RGB	113, 226, 215
RGB Percent	44%, 89%, 84%
CMY	0.5566, 0.1137, 0.1568
CMYK	0.50, 0.00, 0.05, 0.11
HSL	174°, 66%, 66%
HSV	174°, 50%, 89%
XYZ	46.2789, 62.8097, 73.9767
YIQ	190.9590, -63.8170, -27.3770

# Conversions

## Conversions Part 2

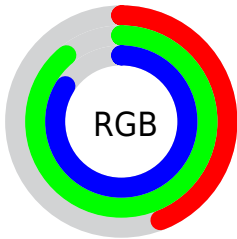
Format	Color
<a href="#">RYB</a>	<a href="#">113, 172, 226</a>
Decimal	<a href="#">7463639</a>
CIELab	<a href="#">83.34, -34.84, -4.54</a>
CIElCh	<a href="#">83, 35.139, 187.429</a>
Yxy	<a href="#">62.8097, 0.2528, 0.3431</a>
Android (android.graphics.Color)	<a href="#">4285653719</a> ( <a href="#">0xFF71E2D7</a> )
YUV	<a href="#">190.9590, 11.8522, -68.3700</a>
Hunter-Lab	<a href="#">79.2526, -34.4584, 0.1338</a>

# Details

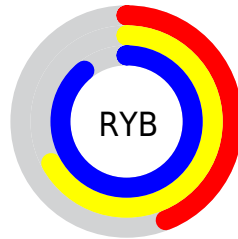
The Yxy color **62.8097, 0.2528, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.4510, 0.4400, 0.3167**, and the grayscale version is **52.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **31.9405, 0.2385, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **61.3818, 0.2452, 0.3464**, and if you desaturate by 10%, it is **64.6173, 0.2622, 0.3399**.

# Distribution



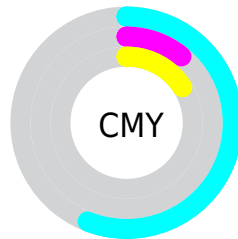
- Red (44%)
- Green (89%)
- Blue (84%)



- Red (44%)
- Yellow (67%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8097, 0.2528, 0.3431 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 62.8097, 0.2528, 0.3431 by changing the saturation by 10% instead.





 62.8097, 0.2528,  
0.3431

 62.8097, 0.2528,  
0.3431

434.8785, 0.2809,  
0.3368

 45.6873, 0.2463,  
0.3445


 108.8949, 0.2626,  
0.3410

 31.9991, 0.2383,  
0.3461


 138.6265, 0.2664,  
0.3401

 21.3608, 0.2281,  
0.3481


 173.3299, 0.2697,  
0.3394

 13.3880, 0.2147,  
0.3505

213.3896, 0.2725,  
0.3388

 7.6963, 0.1965,  
0.3536

259.1899, 0.2750,  
0.3382

 3.9012, 0.1703,  
0.3572

311.1152, 0.2772,

 1.6185, 0.1243,

0.3377

369.5500, 0.2791,  
0.3372

0.3635

0.3700, 0.0000,  
0.3393

0.0000, 0.0000,  
0.0000

62.8097, 0.2528,  
0.3431

62.8097, 0.2528,  
0.3431

61.3818, 0.2452,  
0.3464

64.6173, 0.2622,  
0.3399

60.2979, 0.2394,  
0.3497


66.8225, 0.2732,  
0.3369

59.5283, 0.2356,  
0.3531

69.4509, 0.2855,  
0.3340

59.0348, 0.2337,  
0.3564


72.5238, 0.2988,  
0.3314


 58.7506, 0.2333,  
0.3597

 76.0612, 0.3128,  
0.3290

 58.7498, 0.2333,  
0.3598

 80.0817, 0.3272,  
0.3268

 81.3859, 0.3302,  
0.3247

 81.5105, 0.3287,  
0.3225

 81.6367, 0.3273,  
0.3203

# Harmonies

## Analogous

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



62.8097, 0.2884, 0.3844



62.8097, 0.2528, 0.3431



62.8097, 0.2335, 0.3007

# Triad

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



62.8097, 0.2528, 0.3431



62.8097, 0.2885, 0.2623



62.8097, 0.3977, 0.3812

# Complementary

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



62.8097, 0.2528, 0.3431



29.4510, 0.4400, 0.3167

# 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.



62.8097, 0.3990, 0.3474



62.8097, 0.2528, 0.3431



62.8097, 0.3333, 0.2817

# Square

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



62.8097, 0.2528, 0.3431



62.8097, 0.2529, 0.2578



62.8097, 0.3748, 0.3119



62.8097, 0.3726, 0.4047



# Rectangle

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



62.8097, 0.2528, 0.3431



62.8097, 0.2314, 0.2788



62.8097, 0.3748, 0.3119



62.8097, 0.4010, 0.3706

# Sweetspot

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



62.8122, 0.2528, 0.3431



93.2160, 0.2918, 0.3327



59.8963, 0.3118, 0.4845



19.7718, 0.2890, 0.3333



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.



62.8122, 0.2528, 0.3431



80.6426, 0.2449, 0.3465



41.9831, 0.2357, 0.2672



15.5482, 0.2995, 0.3313



33.5282, 0.2331, 0.3592



2.3308, 0.2317, 0.3541



# Inverse Universe

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



29.4510, 0.4400, 0.3167



32.0445, 0.4841, 0.3153



41.8979, 0.4246, 0.3816



13.7221, 0.3277, 0.3268



9.2651, 0.6284, 0.3236

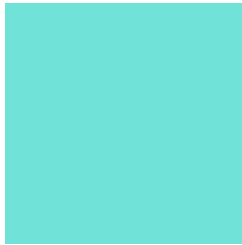


0.6497, 0.6001, 0.3079



# Previews

## White Background



This preview shows how the Yxy color 62.8097, 0.2528, 0.3431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

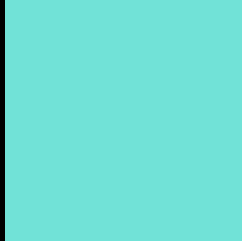
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8097, 0.2528, 0.3431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

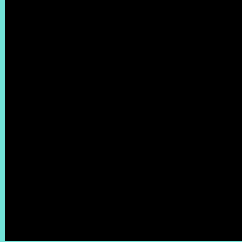
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

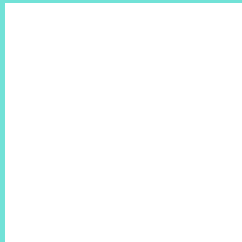
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.8097, 0.2528, 0.3431**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8097, 0.2528, 0.3431.



This preview shows how white text looks on a background with the Yxy color 62.8097, 0.2528, 0.3431.

# 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

62.8097, 0.2528, 0.3431

### Protanopia

61.8233, 0.3187, 0.3313

### Deuteranopia

61.6915, 0.3138, 0.3068



## Tritanopia

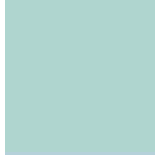
62.5988, 0.2435, 0.3065

# Trichromacy



## Original Color

62.8097, 0.2528, 0.3431



## Protanomaly

61.2075, 0.2897, 0.3363



## Deuteranomaly

60.4866, 0.2867, 0.3181



## Tritanomaly

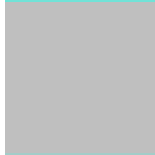
62.3964, 0.2466, 0.3187

# Monochromacy



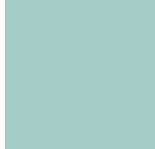
## Original Color

62.8097, 0.2528, 0.3431



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

55.1424, 0.2855, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8097, 0.2528, 0.3431 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(113, 226, 215)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 215)  
}
```

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(113, 226, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8097, 0.2528, 0.3431 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(113, 226, 215) }
```

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

```
.border{ border-color:rgb(113, 226, 215) }
```

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

Here you see how a box with a 4 pixel rgb(113, 226, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 226, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 226, 215);  
box-shadow:4px 4px 4px 4px rgb(113, 226,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8097, 0.2528, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 215) }
```

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

```
.background{ background-color: rgb(113,  
226, 215) }
```

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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