

# Converting Colors

$Yxy(62.2231, 0.2482, 0.3114)$

Have a look what the booklet for  
Yxy(62.2231, 0.2482, 0.3114)  
contains.

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# Color

**Yxy(62.2231, 0.2482, 0.3114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FDDEB
RGB	127, 221, 235
RGB Percent	50%, 87%, 92%
CMY	0.5023, 0.1333, 0.0784
CMYK	0.46, 0.06, 0.00, 0.08
HSL	188°, 73%, 71%
HSV	188°, 46%, 92%
XYZ	49.5946, 62.2231, 87.9995
YIQ	194.4900, -60.5180, -15.5740

# Conversions

## Conversions Part 2

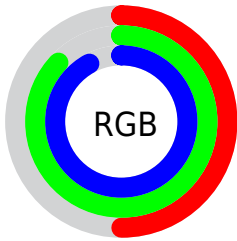
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 177, 235
Decimal	8379883
CIELab	83.03, -24.33, -15.55
CIELCh	83, 28.874, 212.588
Yxy	62.2231, 0.2482, 0.3114
Android (android.graphics.Color)	4286569963 (0xFF7FDDEB)
YUV	194.4900, 19.9714, -59.1887
Hunter-Lab	78.8816, -25.8159, -10.9262

# Details

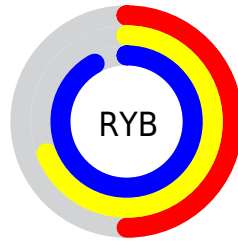
The Yxy color **62.2231, 0.2482, 0.3114** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.2147, 0.4299, 0.3451**, and the grayscale version is **54.1497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **31.7204, 0.2332, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **59.0362, 0.2376, 0.3070**, and if you desaturate by 10%, it is **65.8646, 0.2604, 0.3157**.

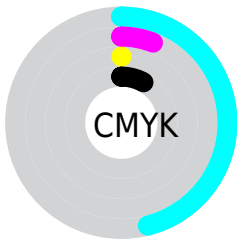
# Distribution



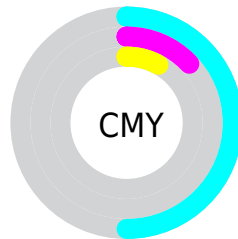
- Red (50%)
- Green (87%)
- Blue (92%)



- Red (50%)
- Yellow (69%)
- Blue (92%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)




- Cyan (50%)
- Magenta (13%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2231, 0.2482, 0.3114 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 62.2231, 0.2482, 0.3114 by changing the saturation by 10% instead.




 62.2231, 0.2482,  
0.3114

 62.2231, 0.2482,  
0.3114

432.7444, 0.2781,  
0.3205

 45.2130, 0.2414,  
0.3091


 108.0479, 0.2586,  
0.3147

 31.6252, 0.2330,  
0.3061

 137.6314, 0.2626,  
0.3160

 21.0754, 0.2223,  
0.3021


 172.1748, 0.2661,  
0.3170

 13.1791, 0.2086,  
0.2966

212.0625, 0.2691,  
0.3179

 7.5520, 0.1900,  
0.2885

257.6790, 0.2718,  
0.3187

 3.8097, 0.1640,  
0.2758

309.4085, 0.2742,

 1.5677, 0.1256,

0.3194

0.2533

367.6355, 0.2763,  
0.3200

0.3357, 0.0000,  
0.1790

0.0000, 0.0000,  
0.0000

62.2231, 0.2482,  
0.3114

62.2231, 0.2482,  
0.3114

59.0362, 0.2376,  
0.3070

65.8646, 0.2604,  
0.3157

56.2667, 0.2288,  
0.3024


69.9805, 0.2738,  
0.3197

53.8835, 0.2220,  
0.2978


74.5979, 0.2883,  
0.3235

51.8472, 0.2171,  
0.2932

79.7397, 0.3034,  
0.3270

 50.1090, 0.2140,  
0.2887

 85.4275, 0.3190,  
0.3302

 49.4651, 0.2130,  
0.2869

 89.1492, 0.3259,  
0.3332

 90.9481, 0.3256,  
0.3362

 92.7771, 0.3253,  
0.3391

 94.6365, 0.3250,  
0.3420

# Harmonies

## Analogous

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



62.2231, 0.2671, 0.3467



62.2231, 0.2482, 0.3114



62.2231, 0.2455, 0.2840

# Triad

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



62.2231, 0.2482, 0.3114



62.2231, 0.3239, 0.2861



62.2231, 0.3669, 0.3896

# Complementary

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



62.2231, 0.2482, 0.3114



38.2147, 0.4299, 0.3451

# 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.



62.2231, 0.3845, 0.3689



62.2231, 0.2482, 0.3114



62.2231, 0.3591, 0.3105

# Square

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



62.2231, 0.2482, 0.3114



62.2231, 0.2874, 0.2716



62.2231, 0.3818, 0.3401



62.2231, 0.3352, 0.3942

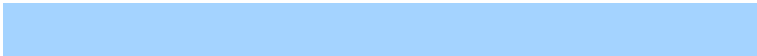


# Rectangle

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



62.2231, 0.2482, 0.3114



62.2231, 0.2530, 0.2733



62.2231, 0.3818, 0.3401



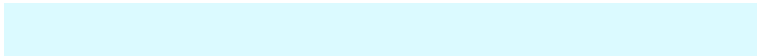
62.2231, 0.3747, 0.3841

# Sweetspot

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



62.2255, 0.2482, 0.3114



90.9336, 0.2912, 0.3242



65.8064, 0.2996, 0.4570



19.1888, 0.2879, 0.3235



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.



62.2255, 0.2482, 0.3114



71.3270, 0.2384, 0.3073



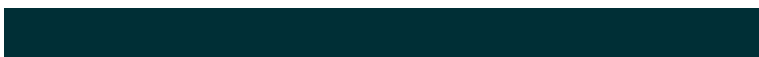
38.6377, 0.2355, 0.2407



16.7698, 0.2981, 0.3259



27.6607, 0.2132, 0.2876



2.2648, 0.2150, 0.2939



# Inverse Universe

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



38.0405, 0.3311, 0.2294



39.5699, 0.3357, 0.2122



57.5866, 0.4006, 0.4027



15.2783, 0.3158, 0.3087



12.2852, 0.3565, 0.1737

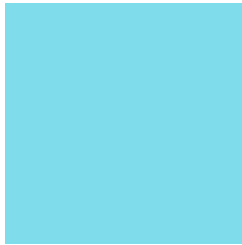


0.9740, 0.3508, 0.1706



# Previews

## White Background



This preview shows how the Yxy color 62.2231, 0.2482, 0.3114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

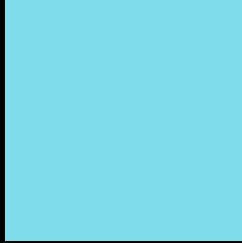
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2231, 0.2482, 0.3114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

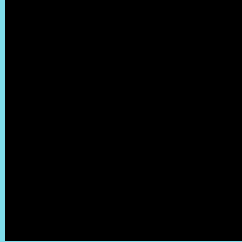
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.2231, 0.2482, 0.3114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2231, 0.2482, 0.3114.

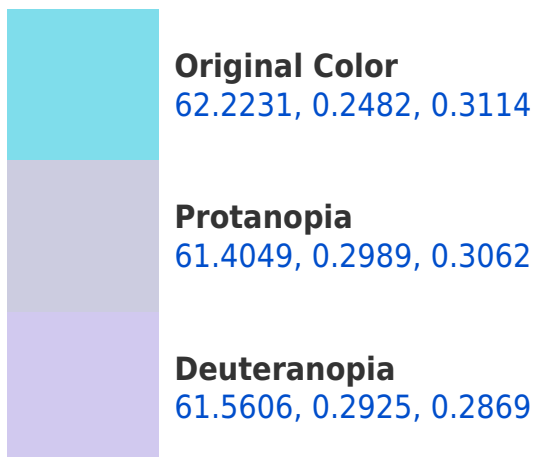


This preview shows how white text looks on a background with the Yxy color 62.2231, 0.2482, 0.3114.

# 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

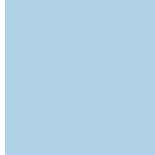
61.9486, 0.2471, 0.3065

# Trichromacy



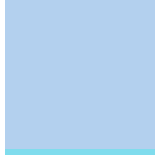
## Original Color

62.2231, 0.2482, 0.3114



## Protanomaly

60.9247, 0.2774, 0.3075



## Deuteranomaly

60.8685, 0.2732, 0.2939



## Tritanomaly

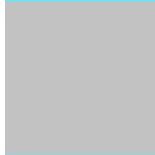
61.8900, 0.2475, 0.3077

# Monochromacy



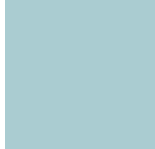
## Original Color

62.2231, 0.2482, 0.3114



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.3352, 0.2845, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2231, 0.2482, 0.3114 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(127, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(127, 221, 235)  
}
```

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(127, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 221, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2231, 0.2482, 0.3114 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(127, 221, 235) }
```

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

```
.border{ border-color:rgb(127, 221, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(127, 221,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2231, 0.2482, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 221, 235) }
```

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

```
.background{ background-color: rgb(127,  
221, 235) }
```

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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