

# Converting Colors

$Yxy(64.0553, 0.2503, 0.3152)$

Have a look what the booklet for  
Yxy(64.0553, 0.2503, 0.3152)  
contains.

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# Color

**Yxy(64.0553, 0.2503, 0.3152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82E0EB
RGB	130, 224, 235
RGB Percent	51%, 88%, 92%
CMY	0.4900, 0.1216, 0.0783
CMYK	0.45, 0.05, 0.00, 0.08
HSL	186°, 72%, 72%
HSV	186°, 45%, 92%
XYZ	50.8662, 64.0553, 88.2996
YIQ	197.1480, -59.5550, -16.5070

# Conversions

## Conversions Part 2

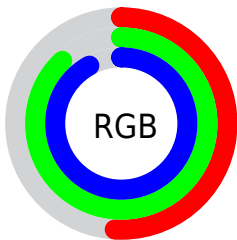
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 180, 235
Decimal	8577259
CIE <sub>Lab</sub>	83.99, -25.07, -14.10
CIE <sub>LCh</sub>	84, 28.761, 209.364
Yxy	64.0553, 0.2503, 0.3152
Android (android.graphics.Color)	4286767339 (0xFF82E0EB)
YUV	197.1480, 18.6610, -58.8888
Hunter-Lab	80.0346, -26.6142, -9.3886

# Details

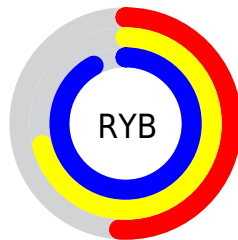
The Yxy color **64.0553, 0.2503, 0.3152** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.3577, 0.4263, 0.3418**, and the grayscale version is **55.8511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **32.9702, 0.2360, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **61.0873, 0.2398, 0.3116**, and if you desaturate by 10%, it is **67.4721, 0.2624, 0.3186**.

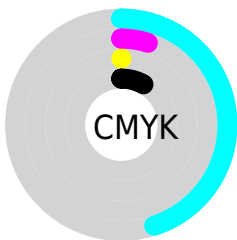
# Distribution



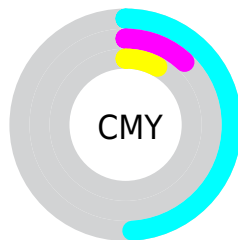
- Red (51%)
- Green (88%)
- Blue (92%)



- Red (51%)
- Yellow (71%)
- Blue (92%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)




- Cyan (49%)
- Magenta (12%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0553, 0.2503, 0.3152 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 64.0553, 0.2503, 0.3152 by changing the saturation by 10% instead.





 64.0553, 0.2503,  
0.3152

 64.0553, 0.2503,  
0.3152


439.3893, 0.2792,  
0.3224

 46.6955, 0.2437,  
0.3133


 110.6906, 0.2603,  
0.3179

 32.7950, 0.2357,  
0.3109


 140.7348, 0.2642,  
0.3189

 21.9694, 0.2255,  
0.3077


 175.7759, 0.2675,  
0.3197

 13.8344, 0.2123,  
0.3032

216.1984, 0.2705,  
0.3204

 8.0056, 0.1945,  
0.2966

262.3866, 0.2730,  
0.3210

 4.0985, 0.1697,  
0.2860

314.7249, 0.2753,

 1.7288, 0.1330,

0.3216

0.2672

373.5976, 0.2774,  
0.3220

0.4422, 0.0000,  
0.2209

0.0000, 0.0000,  
0.0000

64.0553, 0.2503,  
0.3152

64.0553, 0.2503,  
0.3152

61.0873, 0.2398,  
0.3116

67.4721, 0.2624,  
0.3186

58.5312, 0.2311,  
0.3080


71.3567, 0.2758,  
0.3219

56.3565, 0.2243,  
0.3043


75.7361, 0.2903,  
0.3250

54.5247, 0.2195,  
0.3006

80.6330, 0.3055,  
0.3278


 52.9890, 0.2164,  
0.2970


 86.0686, 0.3211,  
0.3303

 52.2515, 0.2153,  
0.2951

 88.8854, 0.3259,  
0.3327

 90.3405, 0.3257,  
0.3352

 91.8154, 0.3254,  
0.3375

 93.3103, 0.3252,  
0.3399

# Harmonies

## Analogous

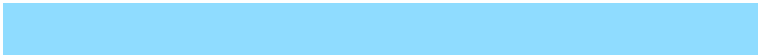
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.0553, 0.2706, 0.3502



64.0553, 0.2503, 0.3152



64.0553, 0.2458, 0.2869

# Triad

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



64.0553, 0.2503, 0.3152



64.0553, 0.3197, 0.2845



64.0553, 0.3689, 0.3872

# Complementary

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



64.0553, 0.2503, 0.3152



38.3577, 0.4263, 0.3418

# 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.



64.0553, 0.3842, 0.3657



64.0553, 0.2503, 0.3152



64.0553, 0.3551, 0.3078

# Square

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



64.0553, 0.2503, 0.3152



64.0553, 0.2842, 0.2715



64.0553, 0.3793, 0.3368



64.0553, 0.3387, 0.3937

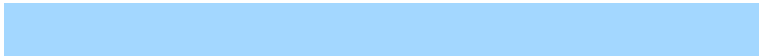


# Rectangle

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



64.0553, 0.2503, 0.3152



64.0553, 0.2521, 0.2753



64.0553, 0.3793, 0.3368



64.0553, 0.3760, 0.3813

# Sweetspot

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



64.0578, 0.2503, 0.3152



92.0426, 0.2927, 0.3254



66.0926, 0.3008, 0.4549



19.4348, 0.2894, 0.3248



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.



64.0578, 0.2503, 0.3152



73.6524, 0.2402, 0.3118



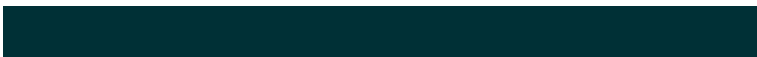
40.2732, 0.2383, 0.2462



16.8355, 0.2981, 0.3264



29.1852, 0.2155, 0.2957



2.3696, 0.2169, 0.3007



# Inverse Universe

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



39.0295, 0.3280, 0.2298



40.3751, 0.3320, 0.2113



57.4378, 0.3984, 0.3988



15.2849, 0.3154, 0.3082



12.4391, 0.3493, 0.1698



0.9846, 0.3448, 0.1673



# Previews

## White Background



This preview shows how the Yxy color 64.0553, 0.2503, 0.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

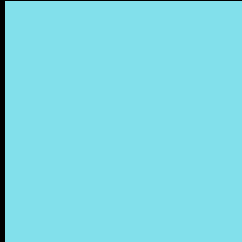
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0553, 0.2503, 0.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

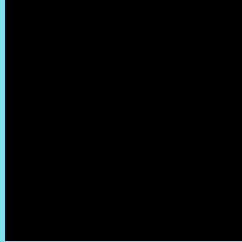
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0553, 0.2503, 0.3152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0553, 0.2503, 0.3152.

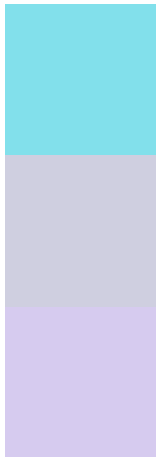


This preview shows how white text looks on a background with the Yxy color 64.0553, 0.2503, 0.3152.

# 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

64.0553, 0.2503, 0.3152

### Protanopia

63.2729, 0.3011, 0.3098

### Deuteranopia

63.2400, 0.2961, 0.2896



## Tritanopia

64.0318, 0.2482, 0.3069

# Trichromacy



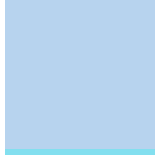
## Original Color

64.0553, 0.2503, 0.3152



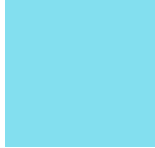
## Protanomaly

62.7736, 0.2796, 0.3112



## Deuteranomaly

62.8289, 0.2761, 0.2977



## Tritanomaly

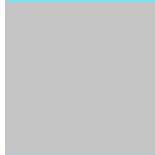
63.8326, 0.2486, 0.3092

# Monochromacy



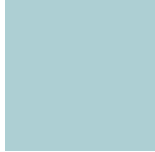
## Original Color

64.0553, 0.2503, 0.3152



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.2130, 0.2855, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0553, 0.2503, 0.3152 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(130, 224, 235)` looks like.

```
.text, #text, p{  
    color:rgb(130, 224, 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(130, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 224, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0553, 0.2503, 0.3152 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(130, 224, 235) }
```

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

```
.border{ border-color:rgb(130, 224, 235) }
```

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

Here you see how a box with a 4 pixel rgb(130, 224, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(130, 224,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0553, 0.2503, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 224, 235) }
```

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

```
.background{ background-color: rgb(130,  
224, 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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