

# Converting Colors

$Yxy(55.2938, 0.2517, 0.3069)$

Have a look what the booklet for  
Yxy(55.2938, 0.2517, 0.3069)  
contains.

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# Color

**Yxy(55.2938, 0.2517, 0.3069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82D0E1
RGB	130, 208, 225
RGB Percent	51%, 82%, 88%
CMY	0.4904, 0.1843, 0.1176
CMYK	0.42, 0.08, 0.00, 0.12
HSL	191°, 61%, 70%
HSV	191°, 42%, 88%
XYZ	45.3485, 55.2938, 79.5265
YIQ	186.6160, -51.9450, -11.2490

# Conversions

## Conversions Part 2

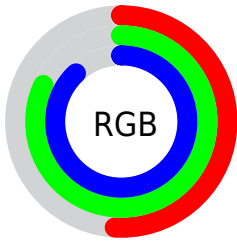
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 173, 225
Decimal	8573153
CIELab	79.21, -19.69, -15.96
CIElCh	79, 25.343, 219.028
Yxy	55.2938, 0.2517, 0.3069
Android (android.graphics.Color)	4286763233 (0xFF82D0E1)
YUV	186.6160, 18.9233, -49.6522
Hunter-Lab	74.3598, -21.2710, -11.3578

# Details

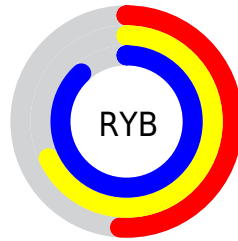
The Yxy color **55.2938, 0.2517, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4761, 0.4133, 0.3494**, and the grayscale version is **49.3761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **27.1012, 0.2361, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **51.7694, 0.2399, 0.3008**, and if you desaturate by 10%, it is **59.2613, 0.2648, 0.3128**.

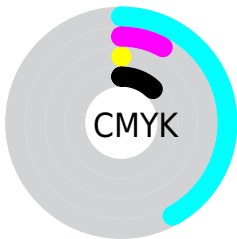
# Distribution



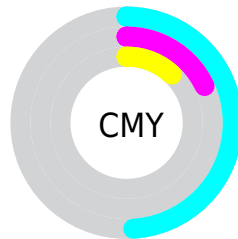
- Red (51%)
- Green (82%)
- Blue (88%)



- Red (51%)
- Yellow (68%)
- Blue (88%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)




- Cyan (49%)
- Magenta (18%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2938, 0.2517, 0.3069 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 55.2938, 0.2517, 0.3069 by changing the saturation by 10% instead.





 55.2938, 0.2517,  
0.3069


 55.2938, 0.2517,  
0.3069


407.0247, 0.2807,  
0.3182


 39.6370, 0.2449,  
0.3040


 97.9713, 0.2619,  
0.3111

 27.2556, 0.2365,  
0.3003


 125.7608, 0.2658,  
0.3126

 17.7653, 0.2258,  
0.2954


 158.3632, 0.2691,  
0.3139

 10.7816, 0.2116,  
0.2884

196.1631, 0.2721,  
0.3150

 5.9202, 0.1921,  
0.2782

239.5448, 0.2746,  
0.3160

 2.7966, 0.1640,  
0.2618

288.8927, 0.2769,

 1.0265, 0.1118,

0.3168

0.2348

344.5912, 0.2789,  
0.3176

0.0000, 0.0000,  
0.0000

55.2938, 0.2517,  
0.3069

55.2938, 0.2517,  
0.3069

51.7694, 0.2399,  
0.3008

59.2613, 0.2648,  
0.3128

48.6557, 0.2298,  
0.2944

63.6891, 0.2790,  
0.3183

45.9258, 0.2215,  
0.2879


68.6012, 0.2939,  
0.3234


43.5462, 0.2152,  
0.2814

74.0180, 0.3092,  
0.3280

41.4768, 0.2108,  
0.2750

79.9585, 0.3247,  
0.3322

 40.0352, 0.2083,  
0.2700

 84.5014, 0.3331,  
0.3362

 86.7958, 0.3326,  
0.3401

 89.1425, 0.3321,  
0.3440

 91.5417, 0.3316,  
0.3479

# Harmonies

## Analogous

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



55.2938, 0.2661, 0.3382



55.2938, 0.2517, 0.3069



55.2938, 0.2525, 0.2841

# Triad

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



55.2938, 0.2517, 0.3069



55.2938, 0.3304, 0.2938



55.2938, 0.3570, 0.3867

# Complementary

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



55.2938, 0.2517, 0.3069



38.4761, 0.4133, 0.3494

# 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.



55.2938, 0.3762, 0.3707



55.2938, 0.2517, 0.3069



55.2938, 0.3607, 0.3178

# Square

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



55.2938, 0.2517, 0.3069



55.2938, 0.2964, 0.2782



55.2938, 0.3779, 0.3454



55.2938, 0.3263, 0.3867



# Rectangle

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



55.2938, 0.2517, 0.3069



55.2938, 0.2616, 0.2761



55.2938, 0.3779, 0.3454



55.2938, 0.3650, 0.3829

# Sweetspot

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



55.2959, 0.2517, 0.3069



90.5204, 0.2926, 0.3229



60.6700, 0.2980, 0.4377



19.0553, 0.2893, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

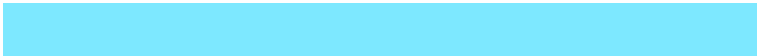


# Same Dimension

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



55.2959, 0.2517, 0.3069



69.1403, 0.2409, 0.3013



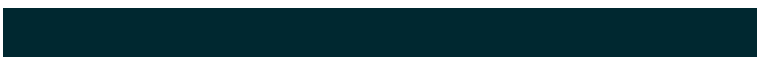
35.8945, 0.2411, 0.2428



15.1334, 0.2982, 0.3247



23.2230, 0.2086, 0.2710



1.7201, 0.2114, 0.2809



# Inverse Universe

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



36.5183, 0.3339, 0.2418



41.7257, 0.3398, 0.2247



55.9060, 0.3896, 0.4017



13.8914, 0.3165, 0.3100



11.2524, 0.3719, 0.1822

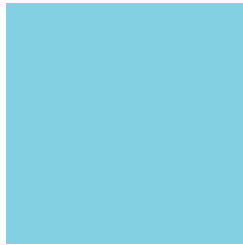


0.7911, 0.3626, 0.1771



# Previews

## White Background



This preview shows how the Yxy color 55.2938, 0.2517, 0.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

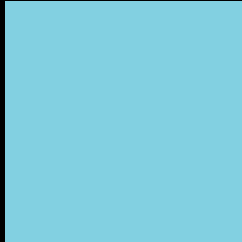
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2938, 0.2517, 0.3069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

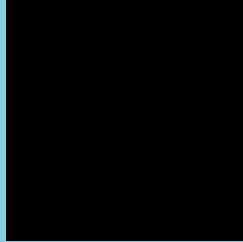
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.2938, 0.2517, 0.3069**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2938, 0.2517, 0.3069.



This preview shows how white text looks on a background with the Yxy color 55.2938, 0.2517, 0.3069.

# 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

55.2938, 0.2517, 0.3069

### Protanopia

54.8789, 0.2961, 0.3027

### Deuteranopia

54.9245, 0.2908, 0.2849



## Tritanopia

55.2938, 0.2517, 0.3069

# Trichromacy



**Original Color**

55.2938, 0.2517, 0.3069

**Protanomaly**

54.5074, 0.2778, 0.3042

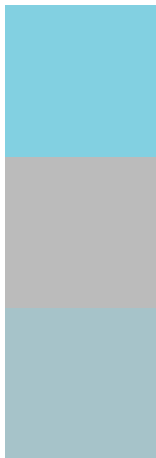
**Deuteranomaly**

54.4182, 0.2741, 0.2913

**Tritanomaly**

55.2938, 0.2517, 0.3069

# Monochromacy



**Original Color**

55.2938, 0.2517, 0.3069

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

51.3543, 0.2863, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2938, 0.2517, 0.3069 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, 208, 225)` looks like.

```
.text, #text, p{  
    color:rgb(130, 208, 225)  
}
```

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, 208, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 208, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2938, 0.2517, 0.3069 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, 208, 225) }
```

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

```
.border{ border-color:rgb(130, 208, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 208, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 208, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 208, 225);  
box-shadow:4px 4px 4px 4px rgb(130, 208,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2938, 0.2517, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 208, 225) }
```

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

```
.background{ background-color: rgb(130,  
208, 225) }
```

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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