

# Converting Colors

XYZ(51.4297, 62.1506, 83.4164)

Have a look what the booklet for  
XYZ(51.4297, 62.1506, 83.4164)  
contains.

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# Color

**XYZ(51.4270, 62.0958,  
83.4039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94DAE5
RGB	148, 218, 229
RGB Percent	58%, 85%, 90%
CMY	0.4196, 0.1451, 0.1020
CMYK	0.35, 0.05, 0.00, 0.10
HSL	188°, 61%, 74%
HSV	188°, 35%, 90%
XYZ	51.4270, 62.0958, 83.4039
YIQ	198.3240, -45.2510, -11.4190

# Conversions

## Conversions Part 2

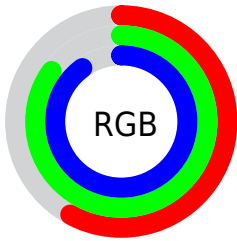
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 186, 229
Decimal	9755365
CIELab	82.96, -19.14, -12.37
CIELCh	83, 22.787, 212.868
Yxy	62.0958, 0.2611, 0.3153
Android (android.graphics.Color)	4287945445 (0xFF94DAE5)
YUV	198.3240, 15.1233, -44.1341
Hunter-Lab	78.8009, -21.4090, -7.5927

# Details

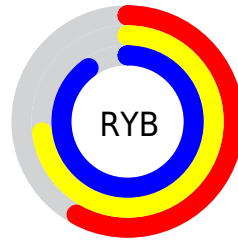
The XYZ color **51.4270, 62.0958, 83.4039** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0575, 43.5932, 33.7946**, and the grayscale version is **53.8057, 56.6077, 61.6458**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **25.2514, 31.5775, 44.8086** is the 20% darker color. If you saturate the color by 10%, you get **46.8892, 58.5722, 82.9640**, and if you desaturate by 10%, it is **56.8030, 66.0770, 83.8901**.

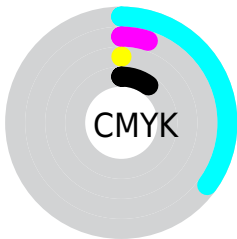
# Distribution



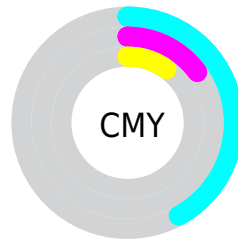
- Red (58%)
- Green (85%)
- Blue (90%)



- Red (58%)
- Yellow (73%)
- Blue (90%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)




- Cyan (42%)
- Magenta (15%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4270, 62.0958, 83.4039 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 XYZ color 51.4270, 62.0958, 83.4039 by changing the saturation by 10% instead.





 51.4270, 62.0958,  
83.4039


 51.4270, 62.0958,  
83.4039


382.5809,  
432.2805, 526.3378

 36.7710, 45.1101,  
61.9809


 91.4649, 107.8640,  
139.9953

 25.2031, 31.5442,  
44.5815

 117.5774,  
137.4153, 176.0007

 16.3580, 21.0136,  
30.7874


148.2396,  
171.9239, 217.7041

 9.8703, 13.1339,  
20.1799

183.8166,  
211.7742, 265.5238

 5.3746, 7.5208,  
12.3405

224.6739,  
257.3506, 319.8785

 2.5057, 3.7899,  
6.8507

271.1768,

 0.8981, 1.5567,

309.0375, 381.1867

3.2919

323.6907,  
367.2193, 449.8670

■ 0.0000, 0.3282,  
1.2455

■ 0.0000, 0.0000,  
0.0165

■ 51.4270, 62.0958,  
83.4039

■ 51.4270, 62.0958,  
83.4039

■ 46.8892, 58.5722,  
82.9640

■ 56.8030, 66.0770,  
83.8901

■ 43.1355, 55.4735,  
82.5638

■ 63.0564, 70.5316,  
84.4203

■ 40.1138, 52.7746,  
82.2021

■ 70.2304, 75.4835,  
84.9980

■ 37.7637, 50.4438,  
81.8760

■ 78.3638, 80.9527,  
85.6250

■ 36.0145, 48.4449,  
81.5824

■ 84.6780, 85.5071,  
86.1713

■ 34.7794, 46.7328,  
81.3170

■ 85.5688, 87.2887,  
86.4682

■ 34.3162, 46.0035,  
81.2007

■ 86.4752, 89.1015,  
86.7703

■ 87.3972, 90.9456,  
87.0777

■ 88.3350, 92.8212,  
87.3903

# Harmonies

## Analogous

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



50.0687, 62.0958, 68.9763



51.4270, 62.0958, 83.4039



54.8110, 62.0958, 94.6978

# Triad

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



51.4270, 62.0958, 83.4039



67.8443, 62.0958, 80.7327



58.5482, 62.0958, 44.0056

# Complementary

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



51.4270, 62.0958, 83.4039



50.0575, 43.5932, 33.7946

# 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.



63.4395, 62.0958, 46.2561



51.4270, 62.0958, 83.4039



68.9797, 62.0958, 66.2654

# Square

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



51.4270, 62.0958, 83.4039



64.3036, 62.0958, 93.0112



67.3263, 62.0958, 53.9506



54.0344, 62.0958, 47.3165



# Rectangle

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



51.4270, 62.0958, 83.4039



57.8537, 62.0958, 98.2094



67.3263, 62.0958, 53.9506



60.2023, 62.0958, 44.1377

# Sweetspot

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



51.4289, 62.0983, 83.4053



84.2698, 92.6568, 108.0508



46.4741, 64.8320, 42.7759



17.7748, 19.6505, 23.1060



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



51.4289, 62.0983, 83.4053



61.5398, 76.0969, 106.0524



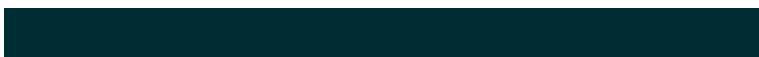
42.2178, 43.6762, 80.3350



14.6318, 15.9850, 18.4586



19.6854, 26.4329, 46.4477



1.5010, 2.0460, 3.4478



# Inverse Universe

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



55.5594, 42.9014, 71.6848



67.6106, 48.7270, 88.6373



58.1522, 59.7826, 36.4928



14.9065, 14.5798, 17.7080



24.3298, 11.8661, 31.6953

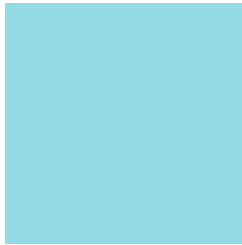


1.8213, 0.8862, 2.4654



# Previews

## White Background



This preview shows how the XYZ color 51.4270, 62.0958, 83.4039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

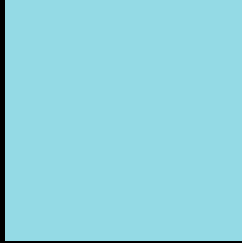
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4270, 62.0958, 83.4039 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](#).

**XYZ 51.4270, 62.0958, 83.4039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4270, 62.0958, 83.4039.



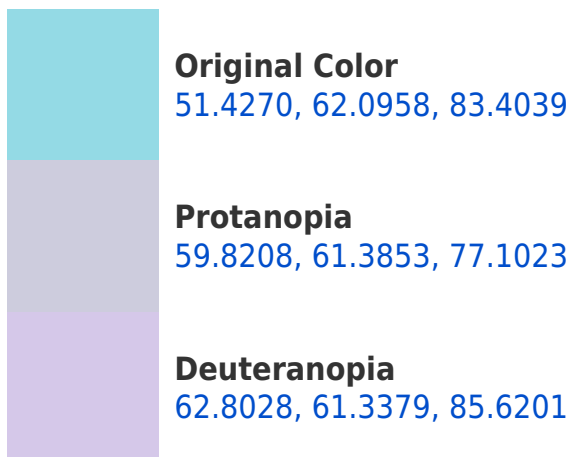
This preview shows how white text looks on a background with the XYZ color 51.4270, 62.0958,



# 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

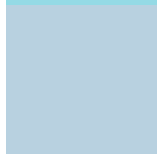
52.2027, 62.0134, 87.8157

# Trichromacy



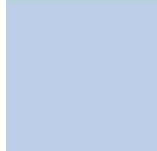
## Original Color

51.4270, 62.0958, 83.4039



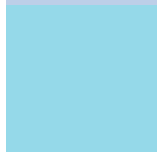
## Protanomaly

56.0222, 61.1731, 79.3759



## Deuteranomaly

57.8646, 61.2707, 85.1206



## Tritanomaly

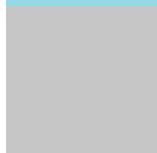
51.9153, 61.8985, 86.3022

# Monochromacy



## Original Color

51.4270, 62.0958, 83.4039



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

52.1623, 57.9694, 68.7616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4270, 62.0958, 83.4039 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(148, 218, 229)` looks like.

```
.text, #text, p{  
    color:rgb(148, 218, 229)  
}
```

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(148, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 218, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4270, 62.0958, 83.4039 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(148, 218, 229) }
```



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

```
.border{ border-color:rgb(148, 218, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 218, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 218, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 218, 229);  
box-shadow:4px 4px 4px 4px rgb(148, 218,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4270, 62.0958, 83.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 218, 229) }
```

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

```
.background{ background-color: rgb(148,  
218, 229) }
```

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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