

# Converting Colors

XYZ(51.4149, 61.1915, 72.0521)

Have a look what the booklet for  
XYZ(51.4149, 61.1915, 72.0521)  
contains.

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# Color

**XYZ(51.4149, 61.1915,  
72.0521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3D7D5
RGB	163, 215, 213
RGB Percent	64%, 84%, 84%
CMY	0.3608, 0.1568, 0.1647
CMYK	0.24, 0.00, 0.01, 0.16
HSL	178°, 39%, 74%
HSV	178°, 24%, 84%
XYZ	51.4149, 61.1915, 72.0521
YIQ	199.2240, -30.3500, -11.6460

# Conversions

## Conversions Part 2

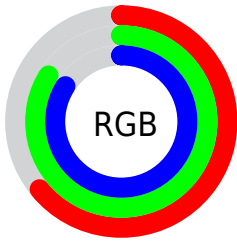
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 190, 215
Decimal	10737621
CIELab	82.48, -17.09, -4.49
CIELCh	82, 17.670, 194.716
Yxy	61.1915, 0.2784, 0.3314
Android (android.graphics.Color)	4288927701 (0xFFA3D7D5)
YUV	199.2240, 6.7916, -31.7684
Hunter-Lab	78.2250, -19.5711, 0.1462

# Details

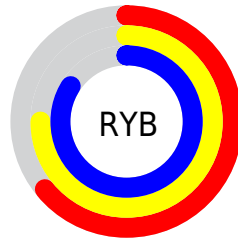
The XYZ color **51.4149, 61.1915, 72.0521** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9152, 43.3597, 41.4435**, and the grayscale version is **54.3976, 57.2305, 62.3241**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **25.1728, 30.9252, 36.9902** is the 20% darker color. If you saturate the color by 10%, you get **47.2771, 59.0721, 71.3125**, and if you desaturate by 10%, it is **56.3052, 63.7019, 72.8324**.

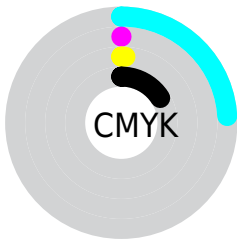
# Distribution



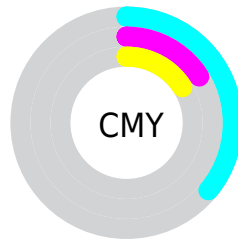
- Red (64%)
- Green (84%)
- Blue (84%)



- Red (64%)
- Yellow (75%)
- Blue (84%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)




- Cyan (36%)
- Magenta (16%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4149, 61.1915, 72.0521 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 51.4149, 61.1915, 72.0521 by changing the saturation by 10% instead.





 51.4149, 61.1915,  
72.0521


 51.4149, 61.1915,  
72.0521


382.5348,  
428.9758, 486.7053

 36.7613, 44.3797,  
52.7141


 91.4471, 106.5562,  
123.8390

 25.1956, 30.9692,  
37.1885


 117.5564,  
135.8779, 157.1250

 16.3523, 20.5754,  
25.0565


148.2150,  
170.1383, 195.8975

 9.8662, 12.8140,  
15.8998

183.7883,  
209.7219, 240.5750

 5.3719, 7.3006,  
9.2997

224.6415,  
255.0131, 291.5759

 2.5041, 3.6508,  
4.8377

271.1401,

 0.8973, 1.4802,

306.3962, 349.3189

2.0953

323.6494,  
364.2556, 414.2226

■ 0.0000, 0.2747,  
0.6130

■ 0.0000, 0.0000,  
0.0000

■ 51.4149, 61.1915,  
72.0521

■ 51.4149, 61.1915,  
72.0521

■ 47.2771, 59.0721,  
71.3125

■ 56.3052, 63.7019,  
72.8324

■ 43.8487, 57.3167,  
70.6075

■ 61.9778, 66.6140,  
73.6508

■ 41.0902, 55.9067,  
69.9367

■ 68.4674, 69.9472,  
74.5102

■ 38.9563, 54.8185,  
69.2979

■ 75.8051, 73.7176,  
75.4121

■ 37.3961, 54.0261,  
68.6888

■ 78.0844, 74.8802,  
76.0801

■ 36.3505, 53.4988,  
68.1065

■ 78.1925, 74.9234,  
76.6494

■ 35.7478, 53.1999,  
67.5477

■ 78.3011, 74.9669,  
77.2215

■ 35.5303, 53.0945,  
67.2303

■ 78.4103, 75.0105,  
77.7964

■ 78.5200, 75.0544,  
78.3742

# Harmonies

## Analogous

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



51.4321, 61.1915, 61.2930



51.4149, 61.1915, 72.0521



53.1507, 61.1915, 82.3603

# Triad

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



51.4149, 61.1915, 72.0521



63.4221, 61.1915, 82.5283



60.0963, 61.1915, 48.5088

# Complementary

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



51.4149, 61.1915, 72.0521



47.9152, 43.3597, 41.4435

# 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.



63.4760, 61.1915, 53.0372



51.4149, 61.1915, 72.0521



65.4520, 61.1915, 72.2621

# Square

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



51.4149, 61.1915, 72.0521



60.0253, 61.1915, 88.8386



65.4721, 61.1915, 61.4816



56.3351, 61.1915, 48.4656



# Rectangle

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



51.4149, 61.1915, 72.0521



55.1134, 61.1915, 87.2607



65.4721, 61.1915, 61.4816



61.3182, 61.1915, 49.5332

# Sweetspot

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



51.4167, 61.1940, 72.0535



88.6747, 96.7262, 108.0249



46.5552, 59.3116, 43.6459



18.8684, 20.6460, 23.1059



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.



51.4167, 61.1940, 72.0535



72.4226, 88.3877, 105.4653



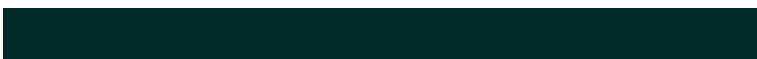
46.1337, 50.2186, 71.5545



12.7706, 14.0992, 15.8722



21.2599, 31.7593, 40.2597



1.2889, 1.9182, 2.4629



# Inverse Universe

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



47.9152, 43.3597, 41.4435



66.4151, 57.7845, 52.9444



52.2806, 52.3801, 42.0063



12.4424, 12.4285, 13.0042



16.7980, 8.6555, 0.9743



1.0201, 0.5248, 0.0955



# Previews

## White Background



This preview shows how the XYZ color 51.4149, 61.1915, 72.0521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

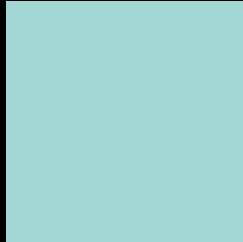
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4149, 61.1915, 72.0521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

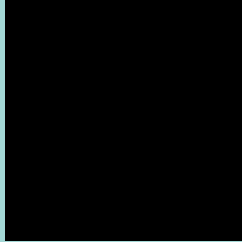
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

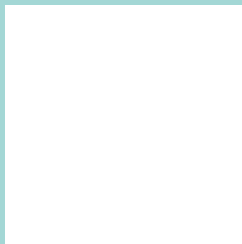
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.4149, 61.1915, 72.0521

## Background



This preview shows how black text looks on a background with the XYZ color 51.4149, 61.1915, 72.0521.



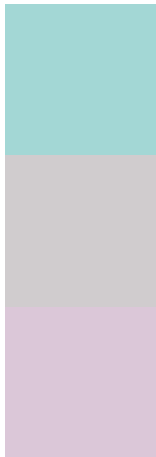
This preview shows how white text looks on a background with the XYZ color 51.4149, 61.1915,



# 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

51.4149, 61.1915, 72.0521

### Protanopia

58.7459, 61.0519, 67.0805

### Deuteranopia

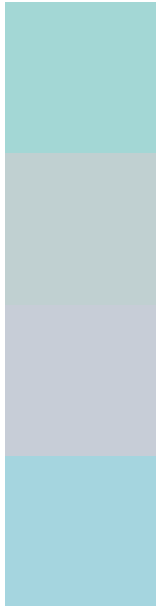
62.0315, 60.8648, 73.4444



## Tritanopia

53.4122, 60.8511, 83.0591

# Trichromacy



## Original Color

51.4149, 61.1915, 72.0521

## Protanomaly

55.8027, 60.9217, 69.1395

## Deuteranomaly

57.6503, 60.7111, 72.9699

## Tritanomaly

52.6306, 60.9155, 78.7960

# Monochromacy



## Original Color

51.4149, 61.1915, 72.0521

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

52.9801, 58.4614, 65.6186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4149, 61.1915, 72.0521 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(163, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(163, 215, 213)  
}
```

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(163, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 215, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4149, 61.1915, 72.0521 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".

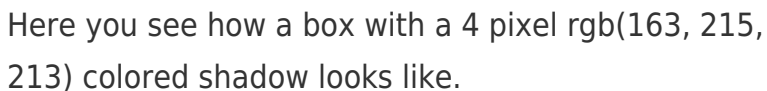
```
.border, #border, table{ border:4px solid rgb(163, 215, 213) }
```



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

```
.border{ border-color:rgb(163, 215, 213) }
```

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



Here you see how a box with a 4 pixel rgb(163, 215, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(163, 215,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4149, 61.1915, 72.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 215, 213) }
```

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

```
.background{ background-color: rgb(163,  
215, 213) }
```

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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