

# Converting Colors

XYZ(51.5463, 61.9602, 61.3567)

Have a look what the booklet for  
XYZ(51.5463, 61.9602, 61.3567)  
contains.

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# Color

**XYZ(51.5329, 61.8679,  
61.4502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD8C4
RGB	172, 216, 196
RGB Percent	67%, 85%, 77%
CMY	0.3255, 0.1529, 0.2314
CMYK	0.20, 0.00, 0.09, 0.15
HSL	153°, 36%, 76%
HSV	153°, 20%, 85%
XYZ	51.5329, 61.8679, 61.4502
YIQ	200.5640, -19.8040, -15.5480

# Conversions

## Conversions Part 2

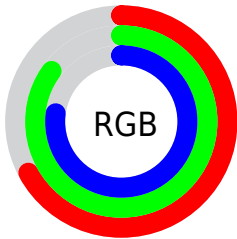
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 200, 216
Decimal	11327684
CIELab	82.84, -18.34, 5.14
CIELCh	83, 19.044, 164.341
Yxy	61.8679, 0.2947, 0.3538
Android (android.graphics.Color)	4289517764 (0xFFACD8C4)
YUV	200.5640, -2.2501, -25.0506
Hunter-Lab	78.6562, -20.7010, 8.7389

# Details

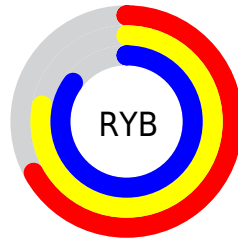
The XYZ color **51.5329, 61.8679, 61.4502** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5880, 47.9112, 56.3479**, and the grayscale version is **55.2712, 58.1496, 63.3249**.

A 20% lighter version of the original color is **85.4845, 95.1058, 106.7803**, and **25.2351, 31.3647, 30.3151** is the 20% darker color. If you saturate the color by 10%, you get **46.0910, 59.1891, 55.5516**, and if you desaturate by 10%, it is **57.8220, 64.9783, 67.7730**.

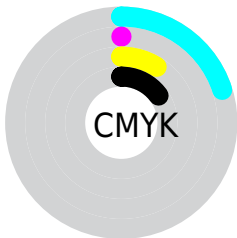
# Distribution



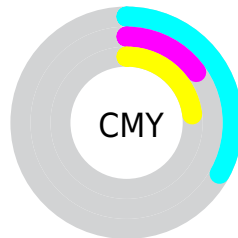
- Red (67%)
- Green (85%)
- Blue (77%)



- Red (67%)
- Yellow (78%)
- Blue (85%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)




- Cyan (33%)
- Magenta (15%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5329, 61.8679, 61.4502 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 51.5329, 61.8679, 61.4502 by changing the saturation by 10% instead.





 51.5329, 61.8679,  
61.4502

 51.5329, 61.8679,  
61.4502


382.9843,  
431.4491, 447.8749

 36.8557, 44.9260,  
44.1557


 91.6203, 107.5346,  
108.4944

 25.2689, 31.3991,  
30.4548


117.7612,  
137.0281, 139.0811

 16.4073, 20.9030,  
19.9291


148.4540,  
171.4743, 174.9357

 9.9055, 13.0531,  
12.1599

184.0641,  
211.2576, 216.4767

 5.3981, 7.4651,  
6.7288

224.9568,  
256.7623, 264.1225

 2.5198, 3.7546,  
3.2172

271.4975,

 0.9053, 1.5373,

308.3729, 318.2918

1.2066

324.0516,  
366.4736, 379.4031

■ 0.0000, 0.3148,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.5329, 61.8679,  
61.4502

■ 51.5329, 61.8679,  
61.4502

■ 46.0910, 59.1891,  
55.5516

■ 57.8220, 64.9783,  
67.7730

■ 41.4525, 56.9146,  
50.0639

■ 64.9890, 68.5311,  
74.5245

■ 37.5775, 55.0255,  
44.9792

■ 73.0696, 72.5460,  
81.7145

■ 34.4204, 53.4985,  
40.2875

■ 80.8327, 76.3883,  
89.2922

■ 31.9304, 52.3076,  
35.9786

■ 82.2933, 76.9726,  
96.9840

■ 30.0499, 51.4234,  
32.0415

■ 83.8336, 77.5887,  
105.0949

■ 28.7103, 50.8106,  
28.4645

■ 83.8470, 77.5940,  
105.1657

■ 27.8159, 50.4176,  
25.3469

# Harmonies

## Analogous

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



53.4626, 61.8679, 52.4687



51.5329, 61.8679, 61.4502



51.4899, 61.8679, 73.1137

# Triad

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



51.5329, 61.8679, 61.4502



60.7785, 61.8679, 91.6975



64.6254, 61.8679, 52.7802

# Complementary

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



51.5329, 61.8679, 61.4502



52.5880, 47.9112, 56.3479

# 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.



66.7789, 61.8679, 61.9232



51.5329, 61.8679, 61.4502



64.4889, 61.8679, 84.8402

# Square

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



51.5329, 61.8679, 61.4502



56.7008, 61.8679, 91.5325



66.7279, 61.8679, 73.6447



60.9577, 61.8679, 47.8743



# Rectangle

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



51.5329, 61.8679, 61.4502



52.5300, 61.8679, 80.9233



66.7279, 61.8679, 73.6447



65.5578, 61.8679, 55.4101

# Sweetspot

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



51.5346, 61.8705, 61.4516



88.5437, 96.7729, 102.8558



53.8778, 63.3693, 48.4224



18.8066, 20.6413, 21.8775



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

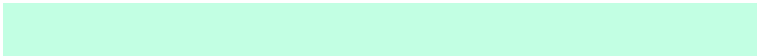


# Same Dimension

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



51.5346, 61.8705, 61.4516



71.8468, 88.5189, 86.1023



53.5918, 62.0947, 74.1297



12.5429, 14.0082, 14.6734



16.5186, 29.8628, 15.2924



1.0378, 1.8178, 1.1410



# Inverse Universe

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



52.5880, 47.9112, 56.3479



73.6213, 65.0082, 77.5083



50.8003, 47.6453, 45.5495



12.6556, 12.5138, 14.1268



18.1251, 9.1864, 7.9628

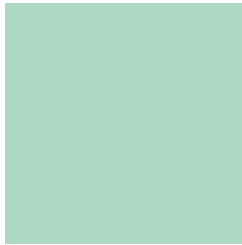


1.1347, 0.5707, 0.6985



# Previews

## White Background



This preview shows how the XYZ color 51.5329, 61.8679, 61.4502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

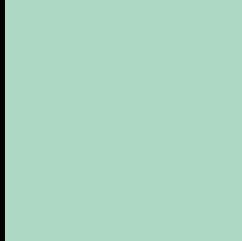
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5329, 61.8679, 61.4502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

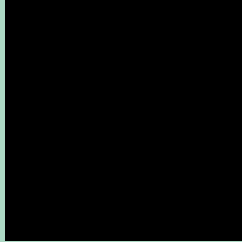
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.5329, 61.8679, 61.4502

## Background



This preview shows how black text looks on a background with the XYZ color 51.5329, 61.8679, 61.4502.



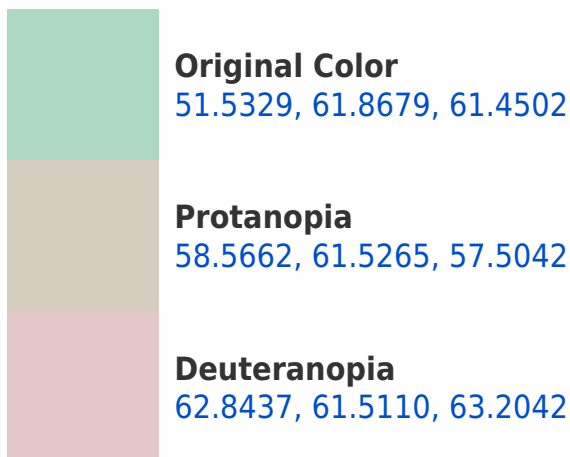
This preview shows how white text looks on a background with the XYZ color 51.5329, 61.8679,

61.4502.

# 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

55.6580, 61.6549, 82.3659

# Trichromacy



## Original Color

51.5329, 61.8679, 61.4502

## Protanomaly

55.6036, 61.4125, 58.7923

## Deuteranomaly

58.1525, 61.1961, 62.7799

## Tritanomaly

54.0934, 61.7765, 74.0388

# Monochromacy



## Original Color

51.5329, 61.8679, 61.4502

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

53.6153, 59.2133, 62.6363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5329, 61.8679, 61.4502 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(172, 216, 196)` looks like.

```
.text, #text, p{  
    color:rgb(172, 216, 196)  
}
```

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(172, 216, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 216, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5329, 61.8679, 61.4502 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(172, 216, 196) }
```



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

```
.border{ border-color:rgb(172, 216, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 216, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 216, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 216, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 216,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5329, 61.8679, 61.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 216, 196) }
```

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

```
.background{ background-color: rgb(172,  
216, 196) }
```

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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