

# Converting Colors

XYZ(50.1748, 61.5858, 67.2151)

Have a look what the booklet for  
XYZ(50.1748, 61.5858, 67.2151)  
contains.

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# Color

**XYZ(49.9329, 61.3026,  
66.9585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ED9CD
RGB	158, 217, 205
RGB Percent	62%, 85%, 80%
CMY	0.3804, 0.1490, 0.1961
CMYK	0.27, 0.00, 0.06, 0.15
HSL	168°, 44%, 74%
HSV	168°, 27%, 85%
XYZ	49.9329, 61.3026, 66.9585
YIQ	197.9910, -31.3120, -16.2400

# Conversions

## Conversions Part 2

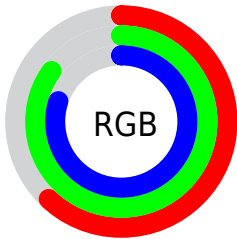
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 191, 217
Decimal	10410445
CIELab	82.54, -21.30, -0.18
CIELCh	83, 21.300, 180.480
Yxy	61.3026, 0.2802, 0.3440
Android (android.graphics.Color)	4288600525 (0xFF9ED9CD)
YUV	197.9910, 3.4554, -35.0721
Hunter-Lab	78.2960, -23.1804, 4.1025

# Details

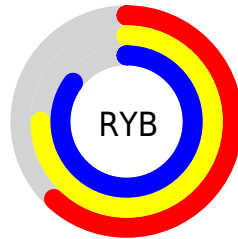
The XYZ color **49.9329, 61.3026, 66.9585** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.1000, 42.1094, 43.6256**, and the grayscale version is **53.6658, 56.4606, 61.4856**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **24.3319, 31.0783, 33.9944** is the 20% darker color. If you saturate the color by 10%, you get **45.5105, 59.0851, 64.0100**, and if you desaturate by 10%, it is **55.1275, 63.9197, 70.0243**.

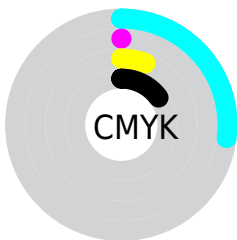
# Distribution



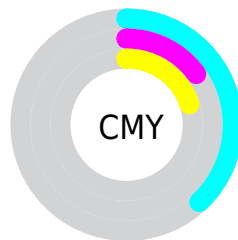
- Red (62%)
- Green (85%)
- Blue (80%)



- Red (62%)
- Yellow (75%)
- Blue (85%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)




- Cyan (38%)
- Magenta (15%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9329, 61.3026, 66.9585 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 49.9329, 61.3026, 66.9585 by changing the saturation by 10% instead.





 49.9329, 61.3026,  
66.9585

 49.9329, 61.3026,  
66.9585


376.8598,  
429.3826, 468.2945

 35.5777, 44.4694,  
48.5895


 89.2679, 106.7170,  
116.5010

 24.2768, 31.0397,  
33.9307


 114.9783,  
136.0669, 148.5117

 15.6649, 20.6291,  
22.5634


145.2045,  
170.3579, 185.9066

 9.3767, 12.8532,  
14.0692

180.3119,  
209.9744, 229.1043

 5.0468, 7.3275,  
8.0295

220.6657,  
255.3007, 278.5235

 2.3098, 3.6678,  
4.0258

266.6314,

 0.7997, 1.4895,

306.7213, 334.5825

1.6395

318.5743,  
364.6204, 397.7000

■ 0.0000, 0.2813,  
0.3188

■ 0.0000, 0.0000,  
0.0000

■ 49.9329, 61.3026,  
66.9585

■ 49.9329, 61.3026,  
66.9585

■ 45.5105, 59.0851,  
64.0100

■ 55.1275, 63.9197,  
70.0243

■ 41.8154, 57.2392,  
61.1721

■ 61.1259, 66.9478,  
73.2055

■ 38.8058, 55.7450,  
58.4434

■ 67.9644, 70.4072,  
76.5057

■ 36.4337, 54.5777,  
55.8212

■ 75.6753, 74.3145,  
79.9272

■ 34.6447, 53.7093,  
53.3022

■ 79.9293, 76.4380,  
83.2679

■ 33.3751, 53.1070,  
50.8827

■ 80.5468, 76.6850,  
86.5199

■ 32.5401, 52.7271,  
48.5581

■ 81.1802, 76.9384,  
89.8549

■ 32.3432, 52.6396,  
47.9198

■ 81.8293, 77.1980,  
93.2733

■ 82.4944, 77.4641,  
96.7758

# Harmonies

## Analogous

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



50.9664, 61.3026, 55.1265



49.9329, 61.3026, 66.9585



51.0335, 61.3026, 80.3091

# Triad

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



49.9329, 61.3026, 66.9585



62.8267, 61.3026, 90.8056



62.6931, 61.3026, 47.1989

# Complementary

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



49.9329, 61.3026, 66.9585



48.1000, 42.1094, 43.6256

# 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.



66.1520, 61.3026, 54.8067



49.9329, 61.3026, 66.9585



66.2319, 61.3026, 79.8980

# Square

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



49.9329, 61.3026, 66.9585



58.3397, 61.3026, 95.1309



67.4788, 61.3026, 66.5382



58.1929, 61.3026, 44.6598



# Rectangle

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



49.9329, 61.3026, 66.9585



52.8642, 61.3026, 88.0473



67.4788, 61.3026, 66.5382



64.0244, 61.3026, 49.1947

# Sweetspot

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



49.9346, 61.3051, 66.9599



87.2780, 96.0697, 105.0862



47.7338, 60.7305, 41.5553



18.3872, 20.4144, 22.3419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

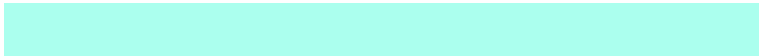


# Same Dimension

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



49.9346, 61.3051, 66.9599



67.9371, 86.3272, 93.8799



47.3468, 53.7210, 73.5223



13.3254, 14.7818, 16.1767



19.6169, 31.8794, 29.2119



1.3002, 2.0770, 2.0469



# Inverse Universe

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



48.1000, 42.1094, 43.6256



64.8483, 53.9587, 54.5563



50.0638, 47.7720, 38.9312



13.1638, 13.0946, 14.1240



17.6296, 9.0529, 2.4297

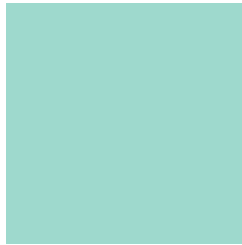


1.1734, 0.5990, 0.3219



# Previews

## White Background



This preview shows how the XYZ color 49.9329, 61.3026, 66.9585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

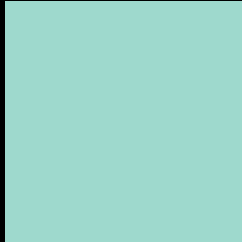
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.9329, 61.3026, 66.9585 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

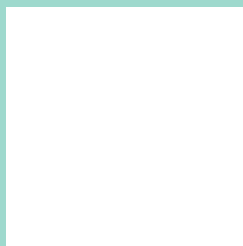
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.9329, 61.3026, 66.9585**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9329, 61.3026, 66.9585.



This preview shows how white text looks on a background with the XYZ color 49.9329, 61.3026,



# 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

49.9329, 61.3026, 66.9585

### Protanopia

58.3643, 60.9646, 62.1173

### Deuteranopia

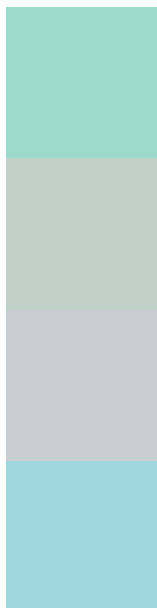
62.1341, 60.6796, 68.7591



## Tritanopia

53.1814, 61.0882, 83.8512

# Trichromacy



## Original Color

49.9329, 61.3026, 66.9585

## Protanomaly

54.8289, 60.8943, 64.1223

## Deuteranomaly

56.7697, 60.3588, 68.3328

## Tritanomaly

51.7957, 60.8907, 77.4298

# Monochromacy



## Original Color

49.9329, 61.3026, 66.9585

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

51.9024, 57.9470, 63.7077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9329, 61.3026, 66.9585 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(158, 217, 205)` looks like.

```
.text, #text, p{  
    color:rgb(158, 217, 205)  
}
```

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(158, 217, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 217, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9329, 61.3026, 66.9585 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".

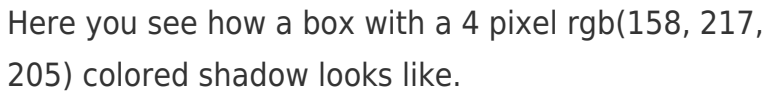
```
.border, #border, table{ border:4px solid rgb(158, 217, 205) }
```



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

```
.border{ border-color:rgb(158, 217, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 217, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 217, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 217, 205); box-shadow:4px 4px 4px 4px rgb(158, 217, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9329, 61.3026, 66.9585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 217, 205) }
```

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

```
.background{ background-color: rgb(158,  
217, 205) }
```

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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