

# Converting Colors

XYZ(50.5692, 59.6897, 69.1776)

Have a look what the booklet for  
XYZ(50.5692, 59.6897, 69.1776)  
contains.

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# Color

**XYZ(50.5692, 59.6897,  
69.1776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D4D1
RGB	165, 212, 209
RGB Percent	65%, 83%, 82%
CMY	0.3529, 0.1686, 0.1804
CMYK	0.22, 0.00, 0.01, 0.17
HSL	176°, 35%, 74%
HSV	176°, 22%, 83%
XYZ	50.5692, 59.6897, 69.1776
YIQ	197.6050, -27.0490, -10.8970

# Conversions

## Conversions Part 2

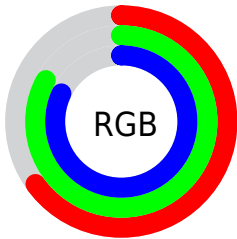
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 189, 212
Decimal	10867921
CIELab	81.67, -15.83, -3.54
CIELCh	82, 16.226, 192.602
Yxy	59.6897, 0.2818, 0.3327
Android (android.graphics.Color)	4289058001 (0xFFA5D4D1)
YUV	197.6050, 5.6177, -28.5946
Hunter-Lab	77.2591, -18.3680, 0.9933

# Details

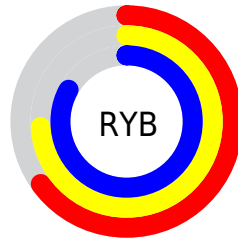
The XYZ color **50.5692, 59.6897, 69.1776** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6765, 43.7363, 42.9775**, and the grayscale version is **53.4170, 56.1988, 61.2005**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **24.6555, 29.9252, 35.4870** is the 20% darker color. If you saturate the color by 10%, you get **46.3534, 57.5372, 68.1099**, and if you desaturate by 10%, it is **55.5208, 62.2245, 70.2897**.

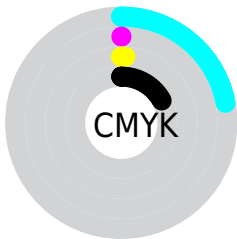
# Distribution



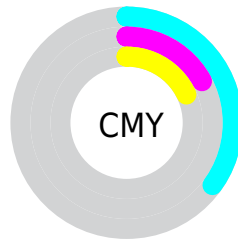
- Red (65%)
- Green (83%)
- Blue (82%)



- Red (65%)
- Yellow (74%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)




- Cyan (35%)
- Magenta (17%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5692, 59.6897, 69.1776 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 50.5692, 59.6897, 69.1776 by changing the saturation by 10% instead.





 50.5692, 59.6897,  
69.1776

 50.5692, 59.6897,  
69.1776


379.3030,  
423.4531, 476.3680

 36.0855, 43.1686,  
50.3837


 90.2044, 104.3794,  
119.7053

 24.6707, 30.0174,  
35.3451


 116.0867,  
133.3168, 152.2762

 15.9593, 19.8518,  
23.6431


146.4993,  
167.1617, 190.2765

 9.5860, 12.2874,  
14.8594

181.8074,  
206.2985, 234.1247

 5.1855, 6.9397,  
8.5752

222.3765,  
251.1117, 284.2394

 2.3924, 3.4244,  
4.3722

268.5719,

 0.8413, 1.3571,

301.9856, 341.0392

1.8316

320.7589,  
359.3046, 404.9425

■ 0.0000, 0.1848,  
0.4487

■ 0.0000, 0.0000,  
0.0000

■ 50.5692, 59.6897,  
69.1776

■ 50.5692, 59.6897,  
69.1776

■ 46.3534, 57.5372,  
68.1099

■ 55.5208, 62.2245,  
70.2897

■ 42.8322, 55.7411,  
67.0809

■ 61.2366, 65.1514,  
71.4438

■ 39.9684, 54.2837,  
66.0900

■ 67.7498, 68.4893,  
72.6427

■ 37.7190, 53.1429,  
65.1352

■ 75.0899, 72.2533,  
73.8877

■ 36.0361, 52.2940,  
64.2144

■ 77.1498, 73.2951,  
74.8932

■ 34.8645, 51.7085,  
63.3248

■ 77.3255, 73.3654,  
75.8180

■ 34.1380, 51.3523,  
62.4634

■ 77.5025, 73.4362,  
76.7505

■ 33.7908, 51.1875,  
61.8044

■ 77.6811, 73.5076,  
77.6905

■ 77.8610, 73.5796,  
78.6383

# Harmonies

## Analogous

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



50.7009, 59.6897, 59.5348



50.5692, 59.6897, 69.1776



52.0404, 59.6897, 78.5564

# Triad

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



50.5692, 59.6897, 69.1776



61.2905, 59.6897, 79.8245



58.7174, 59.6897, 48.6623

# Complementary

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



50.5692, 59.6897, 69.1776



47.6765, 43.7363, 42.9775

# 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.



61.7001, 59.6897, 53.0864



50.5692, 59.6897, 69.1776



63.2261, 59.6897, 70.7728

# Square

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



50.5692, 59.6897, 69.1776



58.1766, 59.6897, 85.1045



63.3789, 59.6897, 60.9786



55.3141, 59.6897, 48.3275



# Rectangle

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



50.5692, 59.6897, 69.1776



53.7678, 59.6897, 83.1392



63.3789, 59.6897, 60.9786



59.8058, 59.6897, 49.6985

# Sweetspot

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



50.5709, 59.6921, 69.1790



88.6021, 96.6971, 107.6428



46.5137, 58.1455, 44.3703



18.8515, 20.6393, 23.0171



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

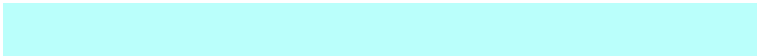


# Same Dimension

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



50.5709, 59.6921, 69.1790



73.3960, 88.9178, 104.2325



46.1718, 50.2933, 69.5641



12.7563, 14.0935, 15.7973



20.8741, 31.6050, 38.2285



1.2696, 1.9105, 2.3615



# Inverse Universe

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



47.6765, 43.7363, 42.9775



68.1848, 60.1828, 57.0527



51.3708, 51.5673, 42.8446



12.4551, 12.4335, 13.0709



16.8218, 8.6651, 1.0999

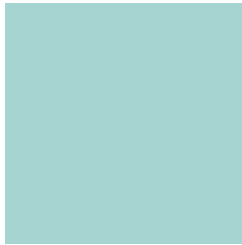


1.0262, 0.5273, 0.1272



# Previews

## White Background



This preview shows how the XYZ color 50.5692, 59.6897, 69.1776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

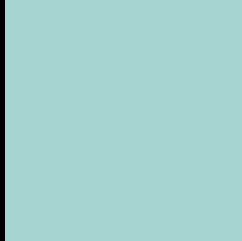
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5692, 59.6897, 69.1776 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

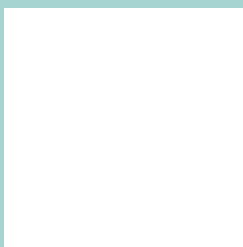
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.5692, 59.6897, 69.1776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5692, 59.6897, 69.1776.



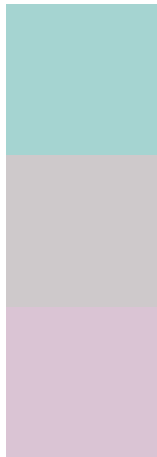
This preview shows how white text looks on a background with the XYZ color 50.5692, 59.6897,



# 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

50.5692, 59.6897, 69.1776

### Protanopia

57.1197, 59.2069, 64.9175

### Deuteranopia

60.5370, 59.1387, 70.5116



## Tritanopia

52.6764, 59.4167, 80.6437

# Trichromacy



## Original Color

50.5692, 59.6897, 69.1776

## Protanomaly

54.3366, 59.1468, 66.3102

## Deuteranomaly

56.4316, 59.0863, 70.0586

## Tritanomaly

51.9012, 59.4760, 76.4547

# Monochromacy



## Original Color

50.5692, 59.6897, 69.1776

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.2663, 57.4152, 64.2046

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5692, 59.6897, 69.1776 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(165, 212, 209)` looks like.

```
.text, #text, p{  
    color:rgb(165, 212, 209)  
}
```

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(165, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 212, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5692, 59.6897, 69.1776 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(165, 212, 209) }
```



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

```
.border{ border-color:rgb(165, 212, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 212, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(165, 212,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5692, 59.6897, 69.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 212, 209) }
```

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

```
.background{ background-color: rgb(165,  
212, 209) }
```

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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