

# Converting Colors

XYZ(53.5253, 62.8295, 64.3248)

Have a look what the booklet for  
XYZ(53.5253, 62.8295, 64.3248)  
contains.

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# Color

**XYZ(53.6889, 62.9125,  
64.5720)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | B3D8C9                       |
| RGB         | 179, 216, 201                |
| RGB Percent | 70%, 85%, 79%                |
| CMY         | 0.2980, 0.1529, 0.2118       |
| CMYK        | 0.17, 0.00, 0.07, 0.15       |
| HSL         | 156°, 32%, 77%               |
| HSV         | 156°, 17%, 85%               |
| XYZ         | 53.6889, 62.9125, 64.5720    |
| YIQ         | 203.2270, -17.2370, -12.5090 |

# Conversions

## Conversions Part 2

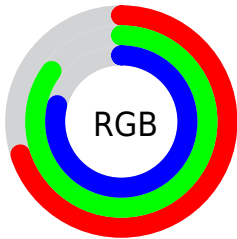
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">179, 202, 216</a>                   |
| Decimal                             | <a href="#">11786441</a>                        |
| CIELab                              | <a href="#">83.40, -15.11, 3.34</a>             |
| CIELCh                              | <a href="#">83, 15.478, 167.534</a>             |
| Yxy                                 | <a href="#">62.9125, 0.2963,<br/>0.3473</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289976521<br/>(0xFFB3D8C9)</a>     |
| YUV                                 | <a href="#">203.2270, -1.0979,<br/>-21.2471</a> |
| Hunter-Lab                          | <a href="#">79.3174, -17.9812,<br/>7.2544</a>   |

# Details

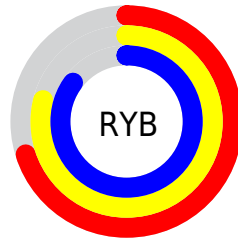
The XYZ color **53.6889, 62.9125, 64.5720** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1788, 50.7358, 57.9791**, and the grayscale version is **56.9232, 59.8877, 65.2177**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **26.6155, 32.0319, 32.3838** is the 20% darker color. If you saturate the color by 10%, you get **48.0816, 60.1392, 59.0847**, and if you desaturate by 10%, it is **60.1406, 66.1177, 70.4081**.

# Distribution



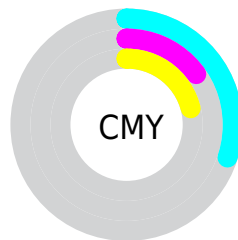
- Red (70%)
- Green (85%)
- Blue (79%)



- Red (70%)
- Yellow (79%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (30%)
- Magenta (15%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6889, 62.9125, 64.5720 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 53.6889, 62.9125, 64.5720 by changing the saturation by 10% instead.



■ 53.6889, 62.9125,  
64.5720

■ 53.6889, 62.9125,  
64.5720

391.1403,  
435.2519, 459.5164

■ 38.5827, 45.7704,  
46.6650

■ 94.7769, 109.0433,  
113.0417

■ 26.6145, 32.0647,  
32.4184

121.4894,  
138.8007, 144.4414

■ 17.4190, 21.4109,  
21.4138

152.8013,  
173.5322, 181.1758

■ 10.6308, 13.4247,  
13.2327

189.0780,  
213.6219, 223.6634

■ 5.8846, 7.7216,  
7.4563

230.6850,  
259.4543, 272.3227

■ 2.8150, 3.9174,  
3.6664

277.9874,

■ 1.0567, 1.6274,

311.4139, 327.5722

1.4442

331.3507,  
369.8849, 389.8306

0.0000, 0.3760,  
0.1758

0.0000, 0.0000,  
0.0000

53.6889, 62.9125,  
64.5720

53.6889, 62.9125,  
64.5720

48.0816, 60.1392,  
59.0847

60.1406, 66.1177,  
70.4081

43.2760, 57.7708,  
53.9353

67.4661, 69.7648,  
76.5955

39.2337, 55.7894,  
49.1180

75.7002, 73.8733,  
83.1418

35.9110, 54.1725,  
44.6255

80.9423, 76.4322,  
89.8692

■ 33.2594, 52.8952,  
40.4500

■ 82.2467, 76.9539,  
96.7382

■ 31.2243, 51.9295,  
36.5834

■ 83.6144, 77.5010,  
103.9404

■ 29.7417, 51.2426,  
33.0168

■ 83.8470, 77.5941,  
105.1657

■ 28.7271, 50.7911,  
29.7402

■ 28.4814, 50.6838,  
28.8508

# Harmonies

## Analogous

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



55.1419, 62.9125, 56.7181



53.6889, 62.9125, 64.5720



53.8271, 62.9125, 74.2464

# Triad

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



53.6889, 62.9125, 64.5720



61.7703, 62.9125, 87.7676



64.2797, 62.9125, 55.7010

# Complementary

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



53.6889, 62.9125, 64.5720



54.1788, 50.7358, 57.9791

# 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.



66.1916, 62.9125, 63.0600



53.6889, 62.9125, 64.5720



64.7058, 62.9125, 81.8122

# Square

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



53.6889, 62.9125, 64.5720



58.4083, 62.9125, 88.2697



66.3505, 62.9125, 72.5863



61.2064, 62.9125, 51.9290



# Rectangle

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



53.6889, 62.9125, 64.5720



54.8029, 62.9125, 80.4425



66.3505, 62.9125, 72.5863



65.0844, 62.9125, 57.8039

# Sweetspot

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



53.6907, 62.9151, 64.5734



89.6926, 97.3330, 104.3630



55.0499, 63.8938, 52.0800



19.0424, 20.7559, 22.2038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

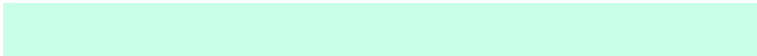


# Same Dimension

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



53.6907, 62.9151, 64.5734



74.7177, 89.8996, 90.7210



54.7605, 62.0908, 74.0674



12.5692, 14.0187, 14.8117



16.9120, 30.0201, 17.3641



1.0606, 1.8269, 1.2608



# Inverse Universe

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



54.1788, 50.7358, 57.9791



75.5729, 68.5799, 79.1808



53.2025, 51.3452, 49.7553



12.6298, 12.5034, 13.9910



17.8446, 9.0741, 6.4855

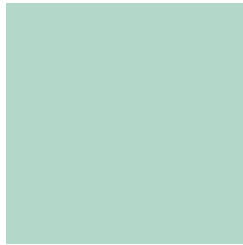


1.1167, 0.5635, 0.6042



# Previews

## White Background



This preview shows how the XYZ color 53.6889, 62.9125, 64.5720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

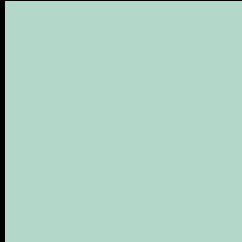
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6889, 62.9125, 64.5720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

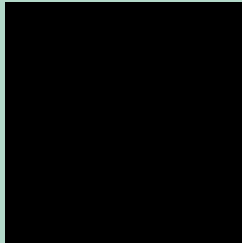
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

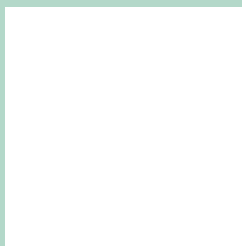
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.6889, 62.9125, 64.5720**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6889, 62.9125, 64.5720.



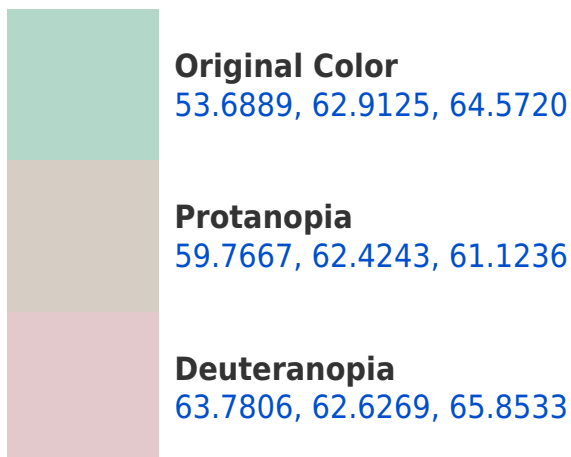
This preview shows how white text looks on a background with the XYZ color 53.6889, 62.9125,

64.5720.

# 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

57.4535, 62.9345, 83.2482

# Trichromacy



## Original Color

53.6889, 62.9125, 64.5720

## Protanomaly

57.3270, 62.5879, 62.4853

## Deuteranomaly

59.4291, 62.1560, 65.3650

## Tritanomaly

55.8718, 62.6481, 76.1654

# Monochromacy



## Original Color

53.6889, 62.9125, 64.5720

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

55.4647, 60.8454, 64.6981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6889, 62.9125, 64.5720 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(179, 216, 201)` looks like.

```
.text, #text, p{  
    color:rgb(179, 216, 201)  
}
```

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(179, 216, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 216, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6889, 62.9125, 64.5720 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(179, 216, 201) }
```



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

```
.border{ border-color:rgb(179, 216, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 216, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 216, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 216, 201);  
box-shadow:4px 4px 4px 4px rgb(179, 216,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6889, 62.9125, 64.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 216, 201) }
```

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

```
.background{ background-color: rgb(179,  
216, 201) }
```

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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