

# Converting Colors

XYZ(55.6936, 62.2270, 41.9355)

Have a look what the booklet for  
XYZ(55.6936, 62.2270, 41.9355)  
contains.

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# Color

**XYZ(55.5991, 62.1517,  
41.8670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D29F
RGB	209, 210, 159
RGB Percent	82%, 82%, 62%
CMY	0.1804, 0.1764, 0.3765
CMYK	0.00, 0.00, 0.24, 0.18
HSL	61°, 36%, 72%
HSV	61°, 24%, 82%
XYZ	55.5991, 62.1517, 41.8670
YIQ	203.8870, 15.7750, -16.0730

# Conversions

## Conversions Part 2

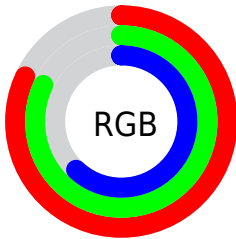
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 210, 160
Decimal	13750943
CIELab	82.99, -8.53, 25.24
CIELCh	83, 26.649, 108.679
Yxy	62.1517, 0.3483, 0.3894
Android (android.graphics.Color)	4291941023 (0xFFD1D29F)
YUV	203.8870, -22.1293, 4.4841
Hunter-Lab	78.8363, -12.0770, 23.6988

# Details

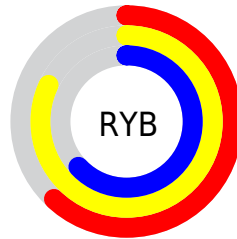
The XYZ color **55.5991, 62.1517, 41.8670** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.5306, 36.9246, 66.0727**, and the grayscale version is **57.4529, 60.4449, 65.8245**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **27.8687, 31.7085, 18.5614** is the 20% darker color. If you saturate the color by 10%, you get **53.8131, 61.4259, 33.0654**, and if you desaturate by 10%, it is **57.6982, 63.0070, 52.3019**.

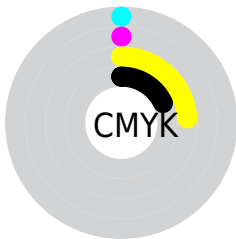
# Distribution



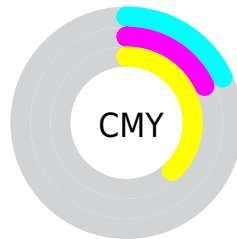
- Red (82%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)



- Cyan (18%)
- Magenta (18%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5991, 62.1517, 41.8670 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 55.5991, 62.1517, 41.8670 by changing the saturation by 10% instead.



■ 55.5991, 62.1517,  
41.8670

■ 55.5991, 62.1517,  
41.8670

398.2785,  
432.4842, 369.7147

■ 40.1173, 45.1553,  
28.6724

■ 97.5614, 107.9447,  
79.2662

■ 27.8146, 31.5798,  
18.5897

■ 124.7726,  
137.5102, 104.3079

■ 18.3257, 21.0407,  
11.2004

156.6244,  
172.0341, 134.1356

■ 11.2852, 13.1538,  
6.0859

193.4820,  
211.9008, 169.1680

■ 6.3277, 7.5345,  
2.8278

235.7109,  
257.4948, 209.8236

■ 3.0879, 3.7986,  
1.0074

283.6763,

■ 1.2004, 1.5615,

309.2004, 256.5208

0.0000

337.7438,  
367.4021, 309.6784

■ 0.1067, 0.3315,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5991, 62.1517,  
41.8670

■ 55.5991, 62.1517,  
41.8670

■ 53.8131, 61.4259,  
33.0654

■ 57.6982, 63.0070,  
52.3019

■ 52.3199, 60.8152,  
25.8108

■ 60.1203, 63.9894,  
64.4427

■ 51.1040, 60.3154,  
20.0150

■ 62.8804, 65.1071,  
78.3625

■ 50.1466, 59.9190,  
15.5791

■ 65.9916, 66.3652,  
94.1289

■ 49.4267, 59.6177,  
12.3922

■ 67.9818, 67.1750,  
103.9908

■ 48.9200, 59.4017,  
10.3261

■ 68.1005, 67.2362,  
103.9963

■ 48.5967, 59.2591,  
9.2246

■ 68.2196, 67.2976,  
104.0019

■ 48.4647, 59.1987,  
8.8721

■ 68.3390, 67.3591,  
104.0075

■ 68.4586, 67.4208,  
104.0131

# Harmonies

## Analogous

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



61.2728, 62.1517, 41.1072



55.5991, 62.1517, 41.8670



51.1449, 62.1517, 48.8268

# Triad

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



55.5991, 62.1517, 41.8670



52.0626, 62.1517, 94.3787



70.6040, 62.1517, 74.0878

# Complementary

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



55.5991, 62.1517, 41.8670



38.5306, 36.9246, 66.0727

# Split Complementary

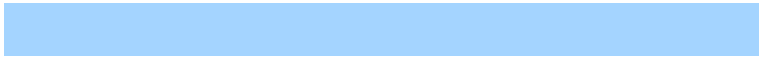
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.7815, 62.1517, 90.8337



55.5991, 62.1517, 41.8670



56.9271, 62.1517, 103.7546

# Square

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



55.5991, 62.1517, 41.8670



49.1965, 62.1517, 78.3403



62.6893, 62.1517, 102.3611



70.1908, 62.1517, 58.0202



# Rectangle

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



55.5991, 62.1517, 41.8670



49.3512, 62.1517, 56.7894



62.6893, 62.1517, 102.3611



69.9952, 62.1517, 79.8644

# Sweetspot

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



55.6007, 62.1545, 41.8683



92.1787, 98.8366, 94.4547



45.3832, 41.2960, 38.3807



19.6797, 21.1347, 19.9644



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.



55.6007, 62.1545, 41.8683



84.8116, 95.8429, 57.7725



48.9904, 58.7467, 41.5590



12.7794, 13.7853, 12.5993



29.5718, 36.1138, 5.4121



1.6610, 2.0231, 0.3030



# Inverse Universe

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



38.5306, 36.9246, 66.0727



53.9954, 50.2950, 101.4698



44.1250, 39.8087, 66.3345



11.1849, 11.4286, 14.8601



7.1374, 2.8597, 37.3683



0.4068, 0.1639, 2.0898



# Previews

## White Background



This preview shows how the XYZ color 55.5991, 62.1517, 41.8670 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 55.5991, 62.1517, 41.8670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

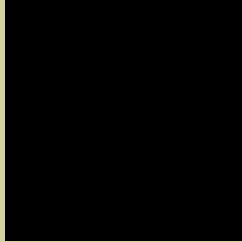
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.5991, 62.1517, 41.8670

## Background



This preview shows how black text looks on a background with the XYZ color 55.5991, 62.1517, 41.8670.



This preview shows how white text looks on a background with the XYZ color 55.5991, 62.1517,



# 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

55.5991, 62.1517, 41.8670

### Protanopia

57.9759, 61.9491, 40.8000

### Deuteranopia

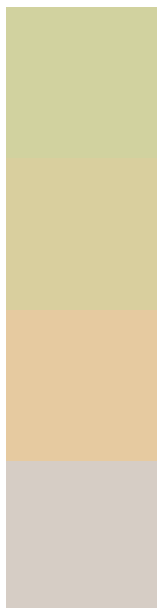
63.2451, 61.8386, 42.3209



## Tritanopia

62.3907, 62.0547, 75.0191

# Trichromacy



## Original Color

55.5991, 62.1517, 41.8670

## Protanomaly

57.0997, 61.8460, 41.2757

## Deuteranomaly

60.0988, 61.6021, 41.9806

## Tritanomaly

59.6409, 61.9900, 61.6452

# Monochromacy



## Original Color

55.5991, 62.1517, 41.8670

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.6020, 60.8953, 56.3477

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5991, 62.1517, 41.8670 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(209, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(209, 210, 159)  
}
```

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(209, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 210, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5991, 62.1517, 41.8670 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(209, 210, 159) }
```



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

```
.border{ border-color:rgb(209, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 210, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 210, 159);  
box-shadow:4px 4px 4px 4px rgb(209, 210,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5991, 62.1517, 41.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 210, 159) }
```

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

```
.background{ background-color: rgb(209,  
210, 159) }
```

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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