

# Converting Colors

XYZ(59.0035, 59.5186, 55.6504)

Have a look what the booklet for  
XYZ(59.0035, 59.5186, 55.6504)  
contains.

<b>XYZ(58.9825, 59.3482, 55.3603)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.9825, 59.3482,  
55.3603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC6BB
RGB	221, 198, 187
RGB Percent	87%, 78%, 73%
CMY	0.1333, 0.2235, 0.2667
CMYK	0.00, 0.10, 0.15, 0.13
HSL	19°, 33%, 80%
HSV	19°, 15%, 87%
XYZ	58.9825, 59.3482, 55.3603
YIQ	203.6230, 17.2390, 1.4550

# Conversions

## Conversions Part 2

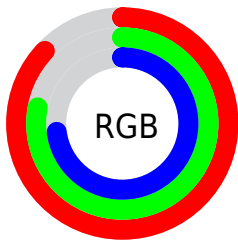
Format	Color
RYB	221, 203, 187
Decimal	14534331
CIELab	81.48, 6.30, 8.45
CIELCh	81, 10.534, 53.296
Yxy	59.3482, 0.3396, 0.3417
Android (android.graphics.Color)	4292724411 (0xFFDDC6BB)
YUV	203.6230, -8.1951, 15.2396
Hunter-Lab	77.0378, 1.8490, 11.3199

# Details

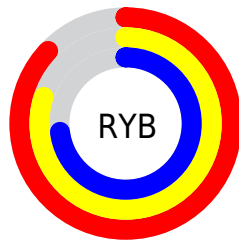
The XYZ color **58.9825, 59.3482, 55.3603** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.5908, 61.8769, 77.3679**, and the grayscale version is **57.2004, 60.1793, 65.5352**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **30.0022, 29.7747, 26.7201** is the 20% darker color. If you saturate the color by 10%, you get **53.5470, 51.9763, 42.7604**, and if you desaturate by 10%, it is **65.1225, 67.5454, 69.9927**.

# Distribution



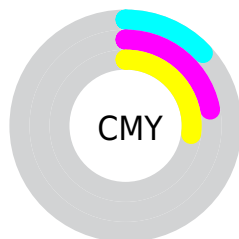
- Red (87%)
- Green (78%)
- Blue (73%)



- Red (87%)
- Yellow (80%)
- Blue (73%)



- Cyan (0%)
- Magenta (10%)
- Yellow (15%)
- Black (13%)




- Cyan (13%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9825, 59.3482, 55.3603 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 58.9825, 59.3482, 55.3603 by changing the saturation by 10% instead.



 58.9825, 59.3482,  
55.3603

 58.9825, 59.3482,  
55.3603

410.7322,  
422.1911, 424.5966

 42.8453, 42.8935,  
39.2897

 102.4670,  
103.8836, 99.5451

 29.9578, 29.8015,  
26.6756


130.5451,  
132.7330, 128.4964

 19.9545, 19.6880,  
17.0995

163.3341,  
166.4828, 162.5783

 12.4700, 12.1685,  
10.1427

201.1996,  
205.5174, 202.2094

 7.1391, 6.8585,  
5.3869

244.5067,  
250.2211, 247.8083

 3.5963, 3.3738,  
2.4133

293.6210,

 1.4764, 1.3298,

300.9783, 299.7934

0.7937

348.9077,  
358.1735, 358.5833

■ 0.3097, 0.1641,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9825, 59.3482,  
55.3603

■ 58.9825, 59.3482,  
55.3603

■ 53.5470, 51.9763,  
42.7604

■ 65.1225, 67.5454,  
69.9927

■ 48.7850, 45.3957,  
32.0987

■ 71.9872, 76.5849,  
86.7389

■ 44.6699, 39.5815,  
23.2789

■ 79.6016, 86.4931,  
105.6800

■ 41.1717, 34.5047,  
16.1947

■ 83.6290, 94.1123,  
108.3655

■ 38.2574, 30.1339,  
10.7292

■ 35.8909, 26.4356,  
6.7505

■ 34.0312, 23.3729,  
4.1058

■ 32.6298, 20.9044,  
2.6081

■ 32.1060, 19.9462,  
2.1578

# Harmonies

## Analogous

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



60.3957, 59.3482, 59.9331



58.9825, 59.3482, 55.3603



56.9054, 59.3482, 53.2887

# Triad

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



58.9825, 59.3482, 55.3603



52.2993, 59.3482, 63.2120



58.1032, 59.3482, 76.4343

# Complementary

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



58.9825, 59.3482, 55.3603



56.5908, 61.8769, 77.3679

# 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.



55.9149, 59.3482, 77.4537



58.9825, 59.3482, 55.3603



52.6011, 59.3482, 69.5453

# Square

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



58.9825, 59.3482, 55.3603



53.0753, 59.3482, 57.6269



53.9109, 59.3482, 74.8588



59.8788, 59.3482, 72.1574



# Rectangle

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



58.9825, 59.3482, 55.3603



55.4386, 59.3482, 53.5023



53.9109, 59.3482, 74.8588



57.3900, 59.3482, 77.1803

# Sweetspot

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



58.9841, 59.3508, 55.3616



90.3750, 93.8267, 97.5485



59.2517, 55.5783, 68.7307



19.2078, 19.9022, 20.5508



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

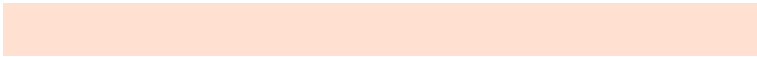


# Same Dimension

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



58.9841, 59.3508, 55.3616



79.4048, 79.1560, 71.4801



63.0300, 67.4427, 56.7102



13.3984, 13.7362, 13.6708



18.7423, 11.7701, 1.2840



1.2910, 0.9161, 0.1088

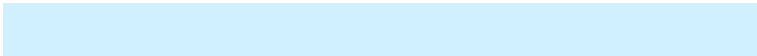


# Inverse Universe

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



56.5908, 61.8769, 77.3679



75.5753, 83.1950, 106.6827



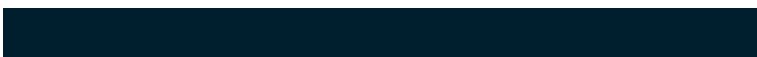
52.6670, 54.0292, 76.0599



13.0711, 14.0820, 16.6813



13.9753, 15.8201, 42.0554

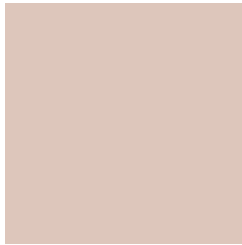


0.9823, 1.1787, 2.7502



# Previews

## White Background



This preview shows how the XYZ color 58.9825, 59.3482, 55.3603 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 58.9825, 59.3482, 55.3603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

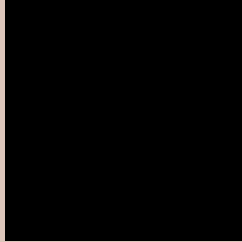
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.9825, 59.3482, 55.3603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9825, 59.3482, 55.3603.



This preview shows how white text looks on a background with the XYZ color 58.9825, 59.3482,



# 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

58.9825, 59.3482, 55.3603

### Protanopia

56.6003, 59.4705, 56.6399

### Deuteranopia

60.4797, 59.1121, 55.2359



## Tritanopia

61.8884, 59.5307, 69.2015

# Trichromacy



## Original Color

58.9825, 59.3482, 55.3603

## Protanomaly

57.4043, 59.5503, 56.0458

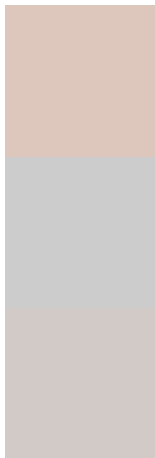
## Deuteranomaly

59.7609, 59.0753, 55.2666

## Tritanomaly

60.8320, 59.4321, 64.1425

# Monochromacy



## Original Color

58.9825, 59.3482, 55.3603

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.8919, 60.0199, 61.9599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9825, 59.3482, 55.3603 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(221, 198, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 198, 187)  
}
```

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(221, 198, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 198, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9825, 59.3482, 55.3603 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(221, 198, 187) }
```



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

```
.border{ border-color:rgb(221, 198, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 198, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 198, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 198, 187);  
box-shadow:4px 4px 4px 4px rgb(221, 198,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9825, 59.3482, 55.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 198, 187) }
```

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

```
.background{ background-color: rgb(221,  
198, 187) }
```

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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