

# Converting Colors

XYZ(58.6309, 75.2730, 43.1621)

Have a look what the booklet for  
XYZ(58.6309, 75.2730, 43.1621)  
contains.

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# Color

**XYZ(58.6905, 75.3738,  
43.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0EF9D
RGB	192, 239, 157
RGB Percent	75%, 94%, 62%
CMY	0.2471, 0.0627, 0.3843
CMYK	0.20, 0.00, 0.34, 0.06
HSL	94°, 72%, 78%
HSV	94°, 34%, 94%
XYZ	58.6905, 75.3738, 43.3536
YIQ	215.5990, -1.6900, -35.4660

# Conversions

## Conversions Part 2

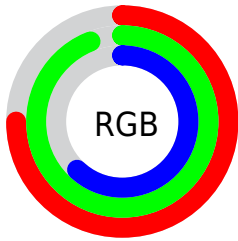
Format	Color
<a href="#">RYB</a>	<a href="#">157, 239, 204</a>
Decimal	<a href="#">12644253</a>
CIELab	<a href="#">89.57, -29.26, 34.88</a>
CIELCh	<a href="#">90, 45.525, 129.993</a>
Yxy	<a href="#">75.3738, 0.3308, 0.4248</a>
Android (android.graphics.Color)	<a href="#">4290834333 (0xFFC0EF9D)</a>
YUV	<a href="#">215.5990, -28.8893, -20.6963</a>
Hunter-Lab	<a href="#">86.8181, -31.2626, 31.1655</a>

# Details

The XYZ color **58.6905, 75.3738, 43.3536** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.5421, 43.1856, 87.2319**, and the grayscale version is **65.1902, 68.5851, 74.6892**.

A 20% lighter version of the original color is **86.7106, 96.4132, 76.3268**, and **29.7998, 40.2053, 19.5544** is the 20% darker color. If you saturate the color by 10%, you get **53.5378, 72.9330, 33.4830**, and if you desaturate by 10%, it is **64.5691, 78.1473, 55.3447**.

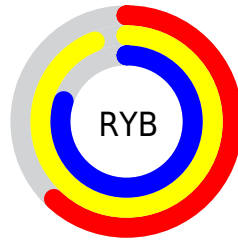
# Distribution



Red (75%)

Green (94%)

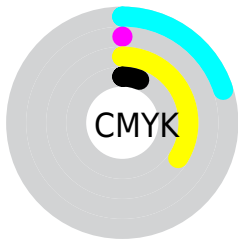
Blue (62%)



Red (62%)

Yellow (94%)

Blue (80%)

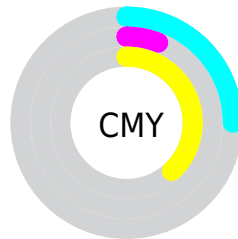


Cyan (20%)

Magenta (0%)

Yellow (34%)

Black (6%)



Cyan (25%)

Magenta (6%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6905, 75.3738, 43.3536 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 58.6905, 75.3738, 43.3536 by changing the saturation by 10% instead.




 58.6905, 75.3738,  
43.3536


 58.6905, 75.3738,  
43.3536


409.6665,  
479.2014, 376.0278

 42.6094, 55.9192,  
29.8292


 102.0449,  
126.8414, 81.5363

 29.7720, 40.1381,  
19.4580


 130.0490,  
159.6231, 107.0316

 19.8128, 27.6463,  
11.8216


162.7580,  
197.6159, 137.3543

 12.3665, 18.0592,  
6.5012

200.5375,  
241.2044, 172.9230

 7.0678, 10.9925,  
3.0785

243.7528,  
290.7727, 214.1561

 3.5512, 6.0618,  
1.1349


292.7691,

 1.4515, 2.8827,

346.7054, 261.4723


0.0000


347.9519,  
409.3868, 315.2900


 0.2925, 1.0708,  
0.0000


 0.0000, 0.0000,  
0.0000


 58.6905, 75.3738,  
43.3536


 58.6905, 75.3738,  
43.3536


 53.5378, 72.9330,  
33.4830

 64.5691, 78.1473,  
55.3447

 49.0733, 70.8011,  
25.6045

 71.1979, 81.2567,  
69.5650

 45.2637, 68.9666,  
19.5834

 78.6068, 84.7174,  
86.1214

 42.0706, 67.4127,  
15.2662

 86.8223, 88.5408,  
105.1127

■ 39.4500, 66.1208,  
12.4751

■ 90.1581, 90.2162,  
107.2694

■ 37.3502, 65.0690,  
10.9924

■ 36.3481, 64.5612,  
10.5458

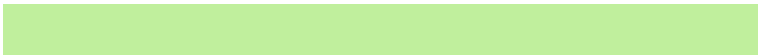
# Harmonies

## Analogous

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



67.9735, 75.3738, 35.1345



58.6905, 75.3738, 43.3536



53.2756, 75.3738, 62.7520

# Triad

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



58.6905, 75.3738, 43.3536



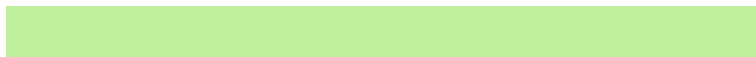
64.5329, 75.3738, 154.5996



94.9717, 75.3738, 71.8399

# Complementary

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



58.6905, 75.3738, 43.3536



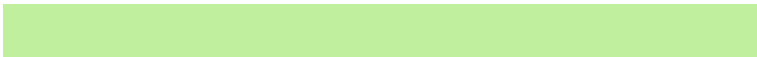
52.5421, 43.1856, 87.2319

# Split Complementary

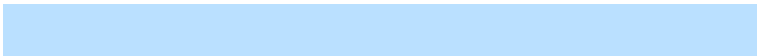
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8044, 75.3738, 104.9923



58.6905, 75.3738, 43.3536



75.4371, 75.3738, 158.8818

# Square

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



58.6905, 75.3738, 43.3536



56.3975, 75.3738, 128.3507



86.3678, 75.3738, 138.8658

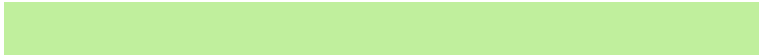


89.4089, 75.3738, 48.5123



# Rectangle

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



58.6905, 75.3738, 43.3536



52.2176, 75.3738, 82.0621



86.3678, 75.3738, 138.8658



95.3660, 75.3738, 82.0764

# Sweetspot

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



58.6924, 75.3771, 43.3552



86.0382, 95.7975, 88.4514



63.1517, 63.7207, 40.8703



18.1606, 20.3854, 18.3653



0.0000, 0.0000, 0.0000

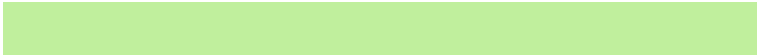


20.3446, 21.4041, 23.3091

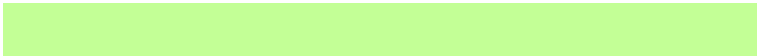


# Same Dimension

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



58.6924, 75.3771, 43.3552



63.8253, 85.3481, 42.1544



51.3366, 71.5299, 45.5025



16.2055, 17.9861, 16.7673



20.2288, 35.7499, 5.8343



1.7944, 3.0315, 0.4906



# Inverse Universe

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



52.5421, 43.1856, 87.2319



55.7148, 42.9340, 99.9583



62.4409, 48.3805, 83.5421



15.7648, 15.6760, 19.9165



14.4640, 6.4619, 45.6128



1.3168, 0.5961, 3.7999



# Previews

## White Background



This preview shows how the XYZ color 58.6905, 75.3738, 43.3536 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 58.6905, 75.3738, 43.3536 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 58.6905, 75.3738, 43.3536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6905, 75.3738, 43.3536.



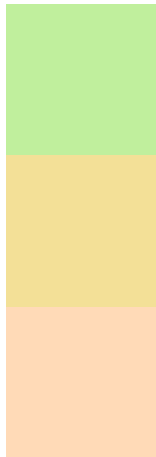
This preview shows how white text looks on a background with the XYZ color 58.6905, 75.3738,



# 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

58.6905, 75.3738, 43.3536

### Protanopia

69.2037, 74.6004, 40.0300

### Deuteranopia

74.8586, 74.8217, 55.2963



## **Tritanopia**

69.5548, 75.1198, 98.0224

# Trichromacy



## Original Color

58.6905, 75.3738, 43.3536



## Protanomaly

64.5096, 74.1858, 41.0563



## Deuteranomaly

68.1150, 74.6045, 50.8545



## Tritanomaly

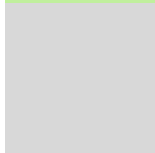
64.8136, 74.8476, 74.6493

# Monochromacy



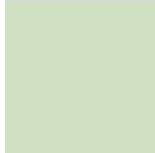
## Original Color

58.6905, 75.3738, 43.3536



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

62.2381, 70.5168, 61.9606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6905, 75.3738, 43.3536 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(192, 239, 157)` looks like.

```
.text, #text, p{  
    color:rgb(192, 239, 157)  
}
```

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(192, 239, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 239, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6905, 75.3738, 43.3536 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(192, 239, 157) }
```



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

```
.border{ border-color:rgb(192, 239, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 239, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 239, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 239, 157);  
box-shadow:4px 4px 4px 4px rgb(192, 239,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6905, 75.3738, 43.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 239, 157) }
```

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

```
.background{ background-color: rgb(192,  
239, 157) }
```

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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