

# Converting Colors

XYZ(59.9115, 73.0585, 51.7308)

Have a look what the booklet for  
XYZ(59.9115, 73.0585, 51.7308)  
contains.

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# Color

**XYZ(59.9027, 73.2433,  
51.5376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5E9AF
RGB	197, 233, 175
RGB Percent	77%, 91%, 69%
CMY	0.2274, 0.0863, 0.3137
CMYK	0.15, 0.00, 0.25, 0.09
HSL	97°, 57%, 80%
HSV	97°, 25%, 91%
XYZ	59.9027, 73.2433, 51.5376
YIQ	215.6240, -2.8380, -25.6700

# Conversions

## Conversions Part 2

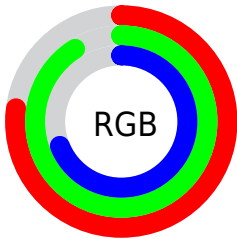
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 233, 211
Decimal	12970415
CIELab	88.56, -22.02, 24.42
CIELCh	89, 32.878, 132.045
Yxy	73.2433, 0.3244, 0.3966
Android (android.graphics.Color)	4291160495 (0xFFC5E9AF)
YUV	215.6240, -20.0276, -16.3332
Hunter-Lab	85.5823, -24.8293, 24.2032

# Details

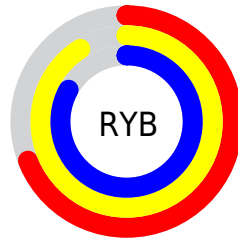
The XYZ color **59.9027, 73.2433, 51.5376** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.9050, 50.3941, 83.8226**, and the grayscale version is **65.1493, 68.5422, 74.6424**.

A 20% lighter version of the original color is **91.0569, 98.3604, 89.7875**, and **30.5627, 38.6891, 24.2693** is the 20% darker color. If you saturate the color by 10%, you get **54.2020, 70.5487, 40.3383**, and if you desaturate by 10%, it is **66.3655, 76.2896, 64.8368**.

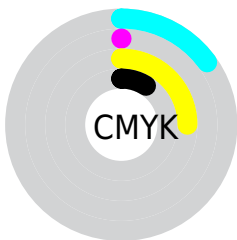
# Distribution



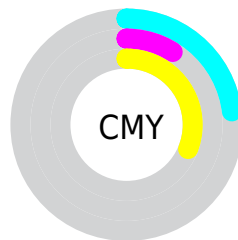
- Red (77%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (83%)



- Cyan (15%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)



- Cyan (23%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9027, 73.2433, 51.5376 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 59.9027, 73.2433, 51.5376 by changing the saturation by 10% instead.



■ 59.9027, 73.2433,  
51.5376

■ 59.9027, 73.2433,  
51.5376

414.0795,  
471.8576, 409.5549

■ 43.5894, 54.1749,  
36.2569

■ 103.7957,  
123.8225, 93.8686

■ 30.5443, 38.7415,  
24.3414

132.1060,  
156.1022, 121.7559

■ 20.4022, 26.5587,  
15.3726

165.1461,  
193.5544, 154.6827

■ 12.7977, 17.2421,  
8.9317

203.2812,  
236.5636, 193.0672

■ 7.3654, 10.4072,  
4.6005

246.8767,  
285.5141, 237.3282

■ 3.7400, 5.6698,  
1.9602


296.2981,

■ 1.5561, 2.6454,


340.7903, 287.8841


0.5307


351.9106,  
402.7767, 345.1535

 0.3636, 0.9495,  
0.0000

 0.0000, 0.0000,  
0.0000


 59.9027, 73.2433,  
51.5376

 59.9027, 73.2433,  
51.5376


 54.2020, 70.5487,  
40.3383


 66.3655, 76.2896,  
64.8368

 49.2273, 68.1829,  
31.1268

 73.6134, 79.6906,  
80.3307

 44.9477, 66.1347,  
23.7880

 81.6752, 83.4613,  
98.1140

 41.3278, 64.3886,  
18.1928

 88.3769, 86.7333,  
106.6910

■ 38.3282, 62.9276,  
14.1961

■ 88.4304, 86.7608,  
106.6935

■ 35.9045, 61.7325,  
11.6288

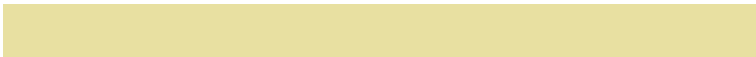
■ 34.0044, 60.7807,  
10.2842

■ 33.2001, 60.3737,  
9.9035

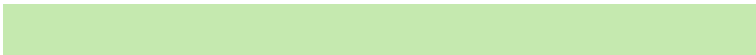
# Harmonies

## Analogous

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



66.4844, 73.2433, 44.2361



59.9027, 73.2433, 51.5376



56.1049, 73.2433, 67.0411

# Triad

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



59.9027, 73.2433, 51.5376



65.0239, 73.2433, 128.8745



85.6035, 73.2433, 70.9863

# Complementary

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



59.9027, 73.2433, 51.5376



56.9050, 50.3941, 83.8226

# 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.



85.1378, 73.2433, 93.9703



59.9027, 73.2433, 51.5376



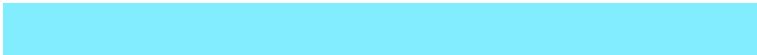
72.8435, 73.2433, 130.4845

# Square

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



59.9027, 73.2433, 51.5376



58.9035, 73.2433, 112.6851



80.3254, 73.2433, 116.7380



81.5534, 73.2433, 53.9520



# Rectangle

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



59.9027, 73.2433, 51.5376



55.4731, 73.2433, 81.3168



80.3254, 73.2433, 116.7380



85.9779, 73.2433, 78.2025

# Sweetspot

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



59.9046, 73.2465, 51.5392



88.3484, 96.8620, 94.2755



64.5814, 66.8945, 50.0666



18.7915, 20.6768, 19.9229



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

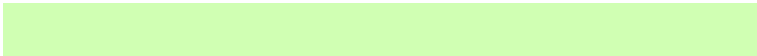


# Same Dimension

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



59.9046, 73.2465, 51.5392



69.7221, 88.0940, 55.7123



55.2397, 70.7629, 54.8781



15.4083, 17.1405, 16.0151



18.9646, 34.3211, 5.6251



1.5932, 2.7486, 0.4466



# Inverse Universe

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



56.9050, 50.3941, 83.8226



65.4298, 55.4267, 101.8576



62.6966, 53.4894, 79.1431



15.1293, 15.0119, 19.0224



15.0767, 6.8083, 44.2625



1.2903, 0.5894, 3.4806



# Previews

## White Background



This preview shows how the XYZ color 59.9027, 73.2433, 51.5376 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 59.9027, 73.2433, 51.5376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

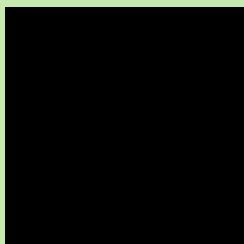
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

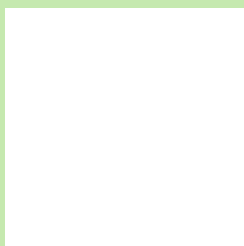
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.9027, 73.2433, 51.5376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9027, 73.2433, 51.5376.



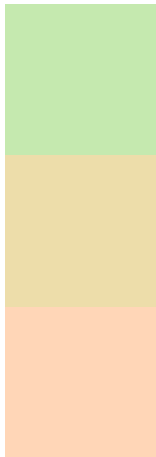
This preview shows how white text looks on a background with the XYZ color 59.9027, 73.2433,



# 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

59.9027, 73.2433, 51.5376

### Protanopia

68.0372, 72.6197, 48.4613

### Deuteranopia

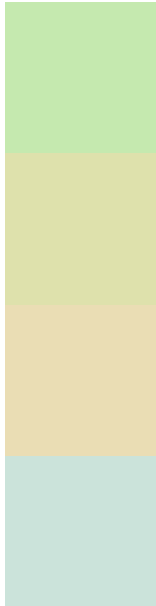
73.8338, 72.7720, 54.9547



## Tritanopia

68.4148, 72.9875, 94.4866

# Trichromacy



**Original Color**

59.9027, 73.2433, 51.5376

**Protanomaly**

64.4958, 72.3586, 49.5970

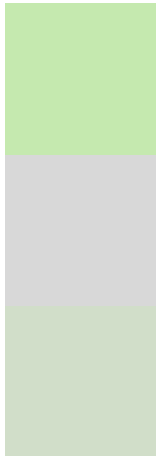
**Deuteranomaly**

68.0264, 72.5006, 53.5887

**Tritanomaly**

64.7526, 72.6966, 76.9487

# Monochromacy



**Original Color**

59.9027, 73.2433, 51.5376

**Achromatopsia**

65.2694, 68.6685, 74.7800

**Achromatomaly**

62.9584, 70.0149, 65.4543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9027, 73.2433, 51.5376 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(197, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(197, 233, 175)  
}
```

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(197, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 233, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9027, 73.2433, 51.5376 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(197, 233, 175) }
```



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

```
.border{ border-color:rgb(197, 233, 175) }
```

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

Here you see how a box with a 4 pixel rgb(197, 233, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 233, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 233, 175);  
box-shadow:4px 4px 4px 4px rgb(197, 233,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9027, 73.2433, 51.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 233, 175) }
```

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

```
.background{ background-color: rgb(197,  
233, 175) }
```

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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