

# Converting Colors

XYZ(63.2142, 73.5331, 59.0057)

Have a look what the booklet for  
XYZ(63.2142, 73.5331, 59.0057)  
contains.

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# Color

**XYZ(63.2142, 73.5331,  
59.0057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE6BD
RGB	207, 230, 189
RGB Percent	81%, 90%, 74%
CMY	0.1882, 0.0980, 0.2588
CMYK	0.10, 0.00, 0.18, 0.10
HSL	94°, 45%, 82%
HSV	94°, 18%, 90%
XYZ	63.2142, 73.5331, 59.0057
YIQ	218.4490, -0.5470, -17.6270

# Conversions

## Conversions Part 2

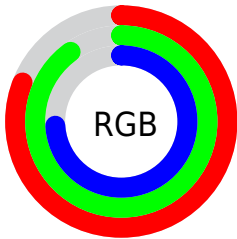
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 230, 212
Decimal	13625021
CIELab	88.70, -14.85, 17.46
CIELCh	89, 22.926, 130.388
Yxy	73.5331, 0.3229, 0.3756
Android (android.graphics.Color)	4291815101 (0xFFCFE6BD)
YUV	218.4490, -14.5184, -10.0408
Hunter-Lab	85.7514, -18.4785, 19.2285

# Details

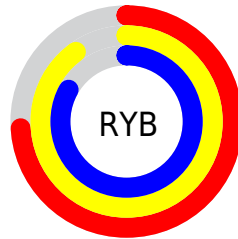
The XYZ color **63.2142, 73.5331, 59.0057** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6349, 56.1075, 82.5535**, and the grayscale version is **67.0496, 70.5414, 76.8196**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **32.5289, 38.7251, 29.0528** is the 20% darker color. If you saturate the color by 10%, you get **57.4543, 70.8319, 46.7208**, and if you desaturate by 10%, it is **69.6687, 76.5510, 73.3929**.

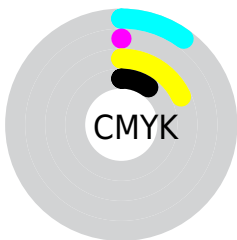
# Distribution



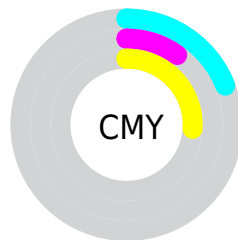
- Red (81%)
- Green (90%)
- Blue (74%)



- Red (74%)
- Yellow (90%)
- Blue (83%)



- Cyan (10%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2142, 73.5331, 59.0057 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 63.2142, 73.5331, 59.0057 by changing the saturation by 10% instead.



■ 63.2142, 73.5331,  
59.0057

■ 63.2142, 73.5331,  
59.0057

425.9938,  
472.8604, 438.6255

■ 46.2738, 54.4120,  
42.1977

■ 108.5586,  
124.2337, 104.9152

■ 32.6675, 38.9311,  
28.9294

137.6932,  
156.5820, 134.8537

■ 22.0299, 26.7062,  
18.7823

171.6234,  
194.1082, 170.0061

■ 13.9956, 17.3527,  
11.3378

210.7144,  
237.1965, 210.7909

■ 8.1993, 10.4862,  
6.1775

255.3316,  
286.2316, 257.6267

■ 4.2756, 5.7225,  
2.8828


305.8403,

■ 1.8592, 2.6771,


341.5976, 310.9321


1.0351


362.6059,  
403.6791, 371.1255


 0.5530, 0.9656,  
0.0000


 0.0000, 0.0000,  
0.0000


 63.2142, 73.5331,  
59.0057


 63.2142, 73.5331,  
59.0057

 57.4543, 70.8319,  
46.7208


 69.6687, 76.5510,  
73.3929

 52.3575, 68.4268,  
36.4351

 76.8361, 79.8864,  
89.9695

 47.8984, 66.3091,  
28.0439

 84.2538, 83.3576,  
106.2567

 44.0474, 64.4663,  
21.4309

 87.5883, 85.0766,  
106.4128

■ 40.7722, 62.8843,  
16.4674

■ 38.0368, 61.5479,  
13.0070

■ 35.7999, 60.4396,  
10.8777

■ 34.0076, 59.5367,  
9.8429

■ 33.6610, 59.3612,  
9.6837

# Harmonies

## Analogous

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



67.9881, 73.5331, 53.6528



63.2142, 73.5331, 59.0057



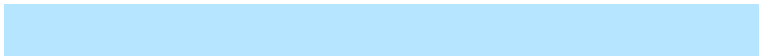
60.3302, 73.5331, 70.2564

# Triad

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



63.2142, 73.5331, 59.0057



66.3765, 73.5331, 112.3741



80.8998, 73.5331, 74.6899

# Complementary

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



63.2142, 73.5331, 59.0057



59.6349, 56.1075, 82.5535

# 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.



80.4120, 73.5331, 90.7466



63.2142, 73.5331, 59.0057



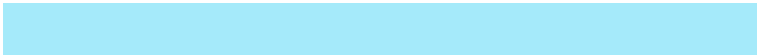
71.8291, 73.5331, 113.9733

# Square

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



63.2142, 73.5331, 59.0057



62.0881, 73.5331, 101.5014



77.0221, 73.5331, 105.6194



78.3217, 73.5331, 61.8816



# Rectangle

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



63.2142, 73.5331, 59.0057



59.7720, 73.5331, 80.2716



77.0221, 73.5331, 105.6194



81.0921, 73.5331, 79.8589

# Sweetspot

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



63.2162, 73.5363, 59.0073



90.4817, 97.8743, 98.3241



65.2524, 67.3622, 57.7083



19.2334, 20.8870, 20.7395



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

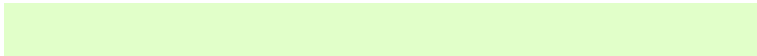


# Same Dimension

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



63.2162, 73.5363, 59.0073



77.3934, 91.7588, 69.1684



58.6947, 71.1795, 59.9658



14.7866, 16.3971, 15.2901



19.1911, 33.6749, 5.4884



1.5233, 2.5427, 0.4105



# Inverse Universe

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



59.6349, 56.1075, 82.5535



72.1562, 66.2746, 103.5970



64.8302, 58.8188, 81.3024



14.3525, 14.2840, 18.1450



13.3578, 5.9521, 42.8280

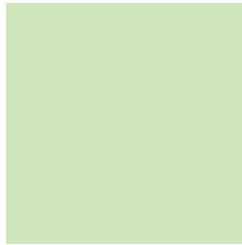


1.0934, 0.4946, 3.1698



# Previews

## White Background



This preview shows how the XYZ color 63.2142, 73.5331, 59.0057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

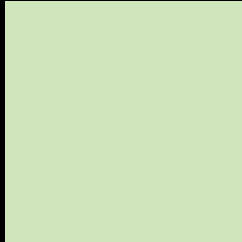
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2142, 73.5331, 59.0057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

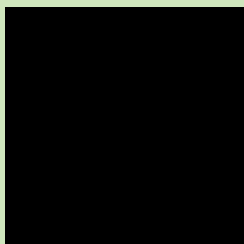
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

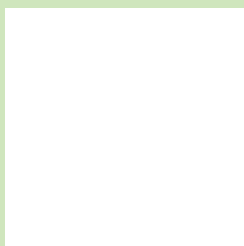
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.2142, 73.5331, 59.0057**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.2142, 73.5331, 59.0057.



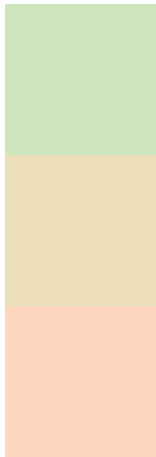
This preview shows how white text looks on a background with the XYZ color 63.2142, 73.5331,



# 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

63.2142, 73.5331, 59.0057

### Protanopia

69.1392, 73.4075, 56.4240

### Deuteranopia

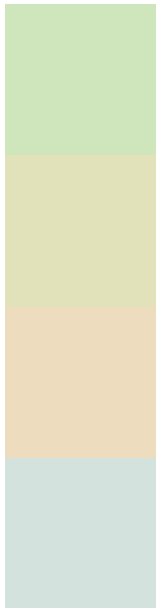
74.8010, 73.1589, 60.0478



## Tritanopia

70.2892, 73.5733, 93.7155

# Trichromacy



## Original Color

63.2142, 73.5331, 59.0057

## Protanomaly

66.8395, 73.4031, 57.0998

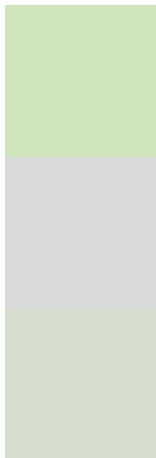
## Deuteranomaly

70.2571, 73.1251, 59.7018

## Tritanomaly

67.5326, 73.6637, 79.7664

# Monochromacy



## Original Color

63.2142, 73.5331, 59.0057

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.1153, 71.0437, 69.3123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2142, 73.5331, 59.0057 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(207, 230, 189)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 189)  
}
```

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(207, 230, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2142, 73.5331, 59.0057 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(207, 230, 189) }
```



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

```
.border{ border-color:rgb(207, 230, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 230, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 189);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2142, 73.5331, 59.0057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 189) }
```

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

```
.background{ background-color: rgb(207,  
230, 189) }
```

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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