

# Converting Colors

XYZ(59.3433, 73.7494, 46.3507)

Have a look what the booklet for  
XYZ(59.3433, 73.7494, 46.3507)  
contains.

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# Color

**XYZ(59.4351, 73.9673,  
46.2665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5EBA4
RGB	197, 235, 164
RGB Percent	77%, 92%, 64%
CMY	0.2274, 0.0784, 0.3569
CMYK	0.16, 0.00, 0.30, 0.08
HSL	92°, 64%, 78%
HSV	92°, 30%, 92%
XYZ	59.4351, 73.9673, 46.2665
YIQ	215.5440, 0.1430, -30.1370

# Conversions

## Conversions Part 2

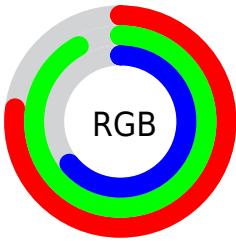
Format	Color
<a href="#">RYB</a>	<a href="#">164, 235, 202</a>
Decimal	<a href="#">12970916</a>
CIELab	<a href="#">88.91, -24.62, 30.51</a>
CIELCh	<a href="#">89, 39.207, 128.895</a>
Yxy	<a href="#">73.9673, 0.3308, 0.4117</a>
Android (android.graphics.Color)	<a href="#">4291160996</a> ( <a href="#">0xFFC5EBA4</a> )
YUV	<a href="#">215.5440, -25.4112, -16.2631</a>
Hunter-Lab	<a href="#">86.0042, -27.1511, 28.3076</a>

# Details

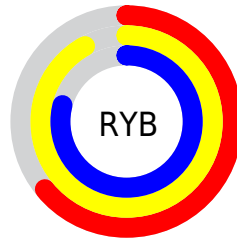
The XYZ color **59.4351, 73.9673, 46.2665** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.6311, 45.1077, 84.5340**, and the grayscale version is **65.1289, 68.5207, 74.6191**.

A 20% lighter version of the original color is **89.4192, 97.7053, 81.1639**, and **30.2001, 39.1608, 21.2963** is the 20% darker color. If you saturate the color by 10%, you get **54.3489, 71.5705, 35.9554**, and if you desaturate by 10%, it is **65.1922, 76.6691, 58.6590**.

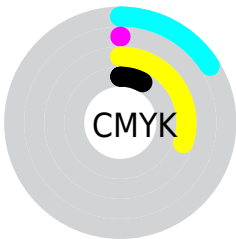
# Distribution



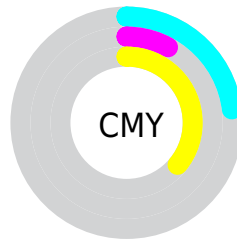
- Red (77%)
- Green (92%)
- Blue (64%)



- Red (64%)
- Yellow (92%)
- Blue (79%)



- Cyan (16%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)




- Cyan (23%)
- Magenta (8%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4351, 73.9673, 46.2665 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 59.4351, 73.9673, 46.2665 by changing the saturation by 10% instead.




 59.4351, 73.9673,  
46.2665


 59.4351, 73.9673,  
46.2665


412.3806,  
474.3605, 388.1877

 43.2112, 54.7673,  
32.1060


 103.1208,  
124.8495, 85.9562

 30.2461, 39.2154,  
21.1770


 131.3133,  
157.3004, 112.3224

 20.1745, 26.9274,  
13.0609


164.2260,  
194.9370, 143.5943

 12.6309, 17.5187,  
7.3393

202.2243,  
238.1439, 180.1904

 7.2501, 10.6050,  
3.5935

245.6736,  
287.3052, 222.5293

 3.6667, 5.8019,  
1.4051


294.9391,

 1.5154, 2.7250,


342.8055, 271.0294

0.1457


350.3864,  
405.0291, 326.1094


 0.3363, 0.9899,  
0.0000


 0.0000, 0.0000,  
0.0000


 59.4351, 73.9673,  
46.2665


 59.4351, 73.9673,  
46.2665


 54.3489, 71.5705,  
35.9554


 65.1922, 76.6691,  
58.6590


 49.8996, 69.4570,  
27.6065

 71.6408, 79.6776,  
73.2336

 46.0584, 67.6169,  
21.0964

 78.8078, 83.0066,  
90.0902

 42.7916, 66.0359,  
16.2852

 86.2291, 86.4713,  
106.7536

■ 40.0614, 64.6980,  
13.0132

■ 88.9999, 87.8997,  
106.8833

■ 37.8238, 63.5848,  
11.0901

■ 36.0433, 62.6847,  
10.1997

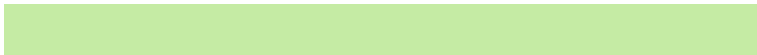
# Harmonies

## Analogous

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



67.5137, 73.9673, 39.0851



59.4351, 73.9673, 46.2665



54.5861, 73.9673, 63.1135

# Triad

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



59.4351, 73.9673, 46.2665



63.9225, 73.9673, 139.9439



89.9626, 73.9673, 72.7079

# Complementary

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



59.4351, 73.9673, 46.2665



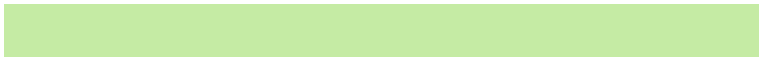
52.6311, 45.1077, 84.5340

# Split Complementary

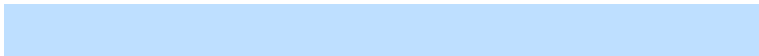
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7812, 73.9673, 100.9059



59.4351, 73.9673, 46.2665



73.1695, 73.9673, 144.1523

# Square

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



59.4351, 73.9673, 46.2665



57.0099, 73.9673, 118.1013



82.4225, 73.9673, 128.5623

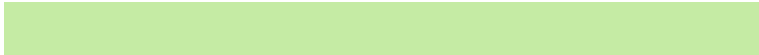


85.5184, 73.9673, 51.9258



# Rectangle

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



59.4351, 73.9673, 46.2665



53.5593, 73.9673, 79.5324



82.4225, 73.9673, 128.5623



90.2180, 73.9673, 81.5517

# Sweetspot

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



59.4370, 73.9705, 46.2681



87.1968, 96.3532, 90.3834



62.0539, 62.5238, 43.9207



18.4063, 20.5038, 18.7509



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

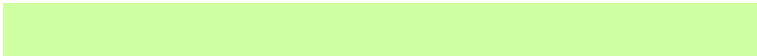


# Same Dimension

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



59.4370, 73.9705, 46.2681



67.8045, 87.2738, 48.0162



51.9370, 70.0792, 47.0434



15.5338, 17.2052, 16.0209



20.2029, 34.9595, 5.6830



1.6964, 2.8019, 0.4514



# Inverse Universe

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



52.6311, 45.1077, 84.5340



58.4312, 47.5326, 100.7028



62.1950, 50.0774, 83.2082



15.0012, 14.9459, 19.0164



13.2656, 5.8746, 44.1777



1.1526, 0.5185, 3.4742



# Previews

## White Background



This preview shows how the XYZ color 59.4351, 73.9673, 46.2665 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 59.4351, 73.9673, 46.2665 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 59.4351, 73.9673, 46.2665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4351, 73.9673, 46.2665.



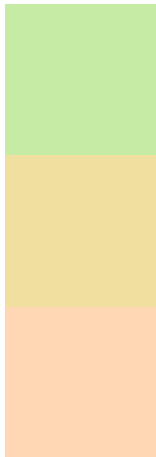
This preview shows how white text looks on a background with the XYZ color 59.4351, 73.9673,



# 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

59.4351, 73.9673, 46.2665

### Protanopia

68.5809, 73.8038, 43.4319

### Deuteranopia

73.8809, 73.1971, 53.9506



## Tritanopia

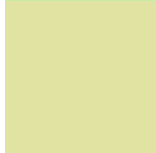
69.3974, 73.8768, 95.3960

# Trichromacy



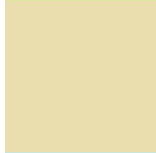
## Original Color

59.4351, 73.9673, 46.2665



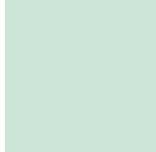
## Protanomaly

64.6426, 73.3587, 44.4708



## Deuteranomaly

67.7908, 72.8301, 51.0421



## Tritanomaly

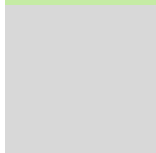
65.3337, 73.8728, 74.4337

# Monochromacy



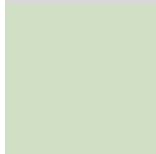
## Original Color

59.4351, 73.9673, 46.2665



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

62.7602, 70.3619, 63.0967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4351, 73.9673, 46.2665 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, 235, 164)` looks like.

```
.text, #text, p{  
    color:rgb(197, 235, 164)  
}
```

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, 235, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 235, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4351, 73.9673, 46.2665 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, 235, 164) }
```



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

```
.border{ border-color:rgb(197, 235, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 235, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 235, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 235, 164);  
box-shadow:4px 4px 4px 4px rgb(197, 235,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4351, 73.9673, 46.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 235, 164) }
```

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

```
.background{ background-color: rgb(197,  
235, 164) }
```

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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