

# Converting Colors

XYZ(57.5530, 70.2724, 53.2431)

Have a look what the booklet for  
XYZ(57.5530, 70.2724, 53.2431)  
contains.

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# Color

**XYZ(57.6419, 70.3697,  
53.1925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BFE5B3</a>
RGB	<a href="#">191, 229, 179</a>
RGB Percent	<a href="#">75%, 90%, 70%</a>
CMY	<a href="#">0.2510, 0.1019, 0.2980</a>
<a href="#">CMYK</a>	<a href="#">0.17, 0.00, 0.22, 0.10</a>
HSL	<a href="#">106°, 49%, 80%</a>
HSV	<a href="#">106°, 22%, 90%</a>
XYZ	<a href="#">57.6419, 70.3697, 53.1925</a>
YIQ	<a href="#">211.9380, -6.5980, -23.6060</a>

# Conversions

## Conversions Part 2

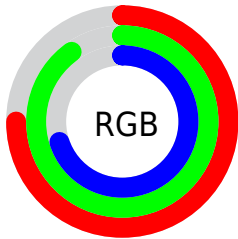
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 229, 217
Decimal	12576179
CIELab	87.18, -21.51, 20.38
CIELCh	87, 29.628, 136.549
Yxy	70.3697, 0.3181, 0.3883
Android (android.graphics.Color)	4290766259 (0xFFBFE5B3)
YUV	211.9380, -16.2384, -18.3626
Hunter-Lab	83.8866, -24.1471, 21.1249

# Details

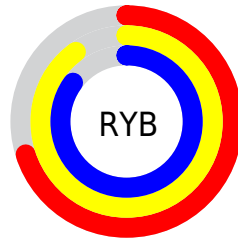
The XYZ color **57.6419, 70.3697, 53.1925** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.8811, 52.6511, 81.1918**, and the grayscale version is **62.6474, 65.9099, 71.7759**.

A 20% lighter version of the original color is **89.4668, 97.4746, 92.6963**, and **29.0260, 36.7119, 25.2949** is the 20% darker color. If you saturate the color by 10%, you get **51.3958, 67.3975, 41.7978**, and if you desaturate by 10%, it is **64.7967, 73.7700, 66.6405**.

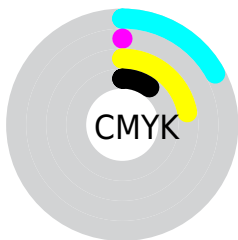
# Distribution



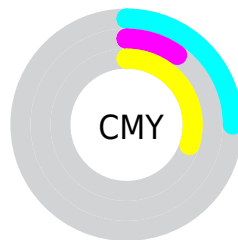
- Red (75%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)



- Cyan (25%)
- Magenta (10%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6419, 70.3697, 53.1925 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 57.6419, 70.3697, 53.1925 by changing the saturation by 10% instead.



■ 57.6419, 70.3697,  
53.1925

■ 57.6419, 70.3697,  
53.1925

405.8257,  
461.8470, 416.1105

■ 41.7630, 51.8280,  
37.5677

■ 100.5272,  
119.7358, 96.3320

■ 29.1060, 36.8680,  
25.3481

128.2642,  
151.3290, 124.6837

■ 19.3057, 25.1053,  
16.1152

160.6847,  
188.0415, 158.1149

■ 11.9967, 16.1555,  
9.4505

198.1539,  
230.2577, 197.0440

■ 6.8136, 9.6343,  
4.9354

241.0373,  
278.3619, 241.8895

■ 3.3911, 5.1571,  
2.1513


289.7001,

■ 1.3638, 2.3398,


332.7386, 293.0701


0.6461


344.5078,  
393.7722, 351.0042


 0.2302, 0.7946,  
0.0000


 0.0000, 0.0000,  
0.0000


 57.6419, 70.3697,  
53.1925


 57.6419, 70.3697,  
53.1925


 51.3958, 67.3975,  
41.7978


 64.7967, 73.7700,  
66.6405


 46.0155, 64.8274,  
32.3509

 72.8894, 77.6052,  
82.2310

 41.4633, 62.6443,  
24.7440

 81.9550, 81.8936,  
100.0535

 37.6960, 60.8286,  
18.8571

 87.3107, 84.5215,  
106.3202

■ 34.6665, 59.3589,  
14.5556

■ 32.3220, 58.2114,  
11.6854

■ 30.6017, 57.3587,  
10.0611

■ 29.5937, 56.8524,  
9.4139

# Harmonies

## Analogous

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



63.1487, 70.3697, 45.4702



57.6419, 70.3697, 53.1925



54.7078, 70.3697, 68.0558

# Triad

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



57.6419, 70.3697, 53.1925



63.8227, 70.3697, 120.2101



80.5336, 70.3697, 66.2256

# Complementary

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



57.6419, 70.3697, 53.1925



58.8811, 52.6511, 81.1918

# 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.



80.7455, 70.3697, 85.8755



57.6419, 70.3697, 53.1925



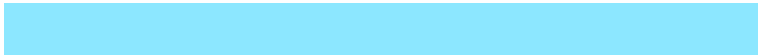
70.7644, 70.3697, 119.4884

# Square

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



57.6419, 70.3697, 53.1925



58.1058, 70.3697, 107.9082



77.0653, 70.3697, 106.0802



76.5052, 70.3697, 52.0535



# Rectangle

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



57.6419, 70.3697, 53.1925



54.4637, 70.3697, 81.0702



77.0653, 70.3697, 106.0802



81.0627, 70.3697, 72.3370

# Sweetspot

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



57.6438, 70.3727, 53.1940



87.4918, 96.4203, 94.2354



65.1369, 69.2842, 52.5890



18.5934, 20.5747, 19.9136



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

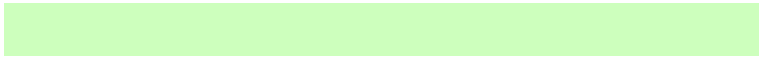


# Same Dimension

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



57.6438, 70.3727, 53.1940



69.9821, 88.1048, 61.2910



56.0710, 69.4092, 60.0229



14.5115, 16.2553, 15.2772



17.0094, 32.5501, 5.3863



1.3388, 2.4475, 0.4019



# Inverse Universe

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



58.8811, 52.6511, 81.1918



71.8102, 61.8527, 102.7617



60.8952, 53.8839, 72.4992



14.6394, 14.4319, 18.1584



18.1853, 8.4408, 43.0539

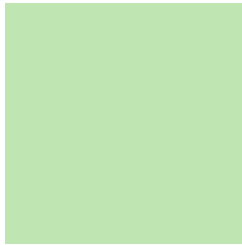


1.4252, 0.6657, 3.1853



# Previews

## White Background



This preview shows how the XYZ color 57.6419, 70.3697, 53.1925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

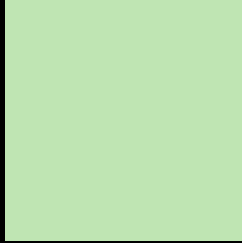
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6419, 70.3697, 53.1925 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

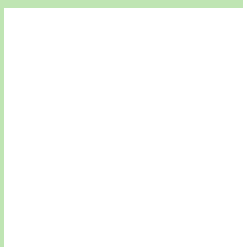
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.6419, 70.3697, 53.1925**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6419, 70.3697, 53.1925.



This preview shows how white text looks on a background with the XYZ color 57.6419, 70.3697,



# 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

57.6419, 70.3697, 53.1925

### Protanopia

65.7315, 69.8375, 50.0600

### Deuteranopia

71.3775, 70.0213, 54.5532



## Tritanopia

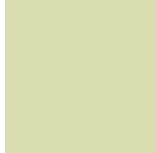
65.5238, 70.3624, 91.7892

# Trichromacy



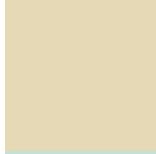
## Original Color

57.6419, 70.3697, 53.1925



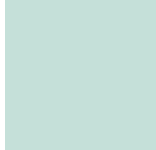
## Protanomaly

62.3082, 69.5992, 51.2243



## Deuteranomaly

65.5695, 69.6611, 54.2460



## Tritanomaly

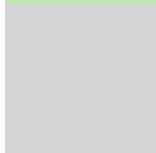
62.2060, 70.1914, 75.9153

# Monochromacy



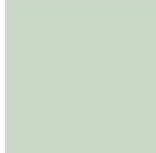
## Original Color

57.6419, 70.3697, 53.1925



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.3986, 67.1503, 64.4215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6419, 70.3697, 53.1925 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(191, 229, 179)` looks like.

```
.text, #text, p{  
    color:rgb(191, 229, 179)  
}
```

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(191, 229, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 229, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6419, 70.3697, 53.1925 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(191, 229, 179) }
```



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

```
.border{ border-color:rgb(191, 229, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 229, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 229, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 229, 179);  
box-shadow:4px 4px 4px 4px rgb(191, 229,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6419, 70.3697, 53.1925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 229, 179) }
```

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

```
.background{ background-color: rgb(191,  
229, 179) }
```

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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