

# Converting Colors

XYZ(73.8200, 90.2239, 55.1192)

Have a look what the booklet for  
XYZ(73.8200, 90.2239, 55.1192)  
contains.

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# Color

**XYZ(73.8200, 90.2239,  
55.1192)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DEFFB1
RGB	222, 255, 177
RGB Percent	87%, 100%, 69%
CMY	0.1294, 0.0000, 0.3059
CMYK	0.13, 0.00, 0.31, 0.00
HSL	85°, 100%, 85%
HSV	85°, 31%, 100%
XYZ	73.8200, 90.2239, 55.1192
YIQ	236.2410, 5.3700, -31.2540

# Conversions

## Conversions Part 2

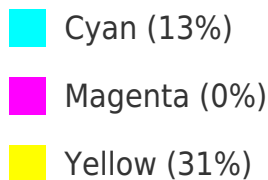
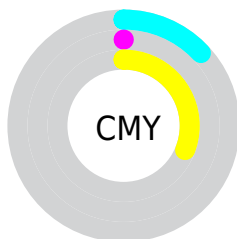
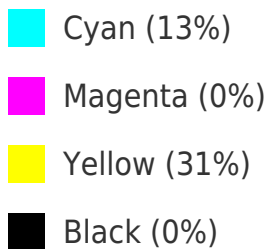
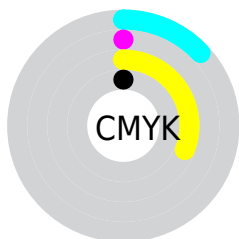
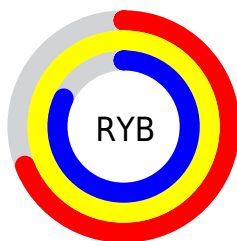
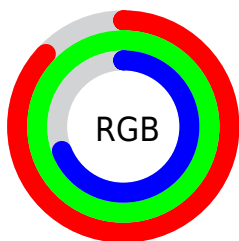
Format	Color
<a href="#">RYB</a>	<a href="#">177, 255, 210</a>
Decimal	<a href="#">14614449</a>
CIELab	<a href="#">96.09, -23.54, 33.86</a>
CIELCh	<a href="#">96, 41.242, 124.809</a>
Yxy	<a href="#">90.2239, 0.3368, 0.4117</a>
Android (android.graphics.Color)	<a href="#">4292804529</a> (0xFFDEFFB1)
YUV	<a href="#">236.2410, -29.2058, -12.4894</a>
Hunter-Lab	<a href="#">94.9863, -27.5020, 32.0852</a>

# Details

The XYZ color **73.8200, 90.2239, 55.1192** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.3515, 52.3672, 101.5347**, and the grayscale version is **80.1267, 84.2996, 91.8022**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **39.5581, 49.9504, 26.6252** is the 20% darker color. If you saturate the color by 10%, you get **68.3115, 87.6509, 42.8105**, and if you desaturate by 10%, it is **80.0158, 93.0963, 69.9417**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8200, 90.2239, 55.1192 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 73.8200, 90.2239, 55.1192 by changing the saturation by 10% instead.





 73.8200, 90.2239,  
55.1192

 73.8200, 90.2239,  
55.1192


462.9118,  
528.7589, 423.6583

 54.9375, 68.1664,  
39.0979


 123.6375,  
147.6494, 99.1885

 39.5853, 50.0331,  
26.5275


155.3032,  
183.7861, 128.0736

 27.3981, 35.4397,  
16.9894


191.9606,  
225.3846, 162.0837

 18.0106, 24.0018,  
10.0650

233.9752,  
272.8294, 201.6373

 11.0573, 15.3349,  
5.3359

281.7122,  
326.5049, 247.1531

 6.1730, 9.0548,  
2.3835


335.5371,


 2.9922, 4.7769,


386.7953, 299.0495


0.7775


395.8152,  
454.0852, 357.7450


 1.1496, 2.1170,  
0.0000


 0.0660, 0.6742,  
0.0000


 73.8200, 90.2239,  
55.1192


 73.8200, 90.2239,  
55.1192

 68.3115, 87.6509,  
42.8105


 80.0158, 93.0963,  
69.9417

 63.4587, 85.3641,  
32.8718

 86.9258, 96.2792,  
87.4029

 59.2287, 83.3500,  
25.1510

94.5771, 99.7840,  
107.6242

 55.5849, 81.5934,  
19.4765

95.0500, 100.0000,  
108.9000

■ 52.4857, 80.0772,  
15.6518

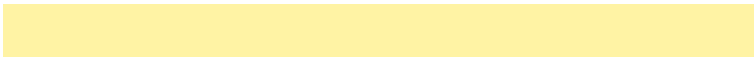
■ 49.8820, 78.7811,  
13.4415

■ 47.8130, 77.7336,  
12.4841

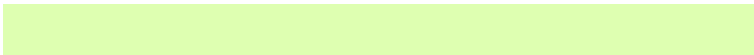
# Harmonies

## Analogous

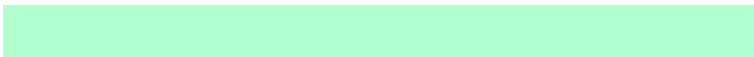
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9271, 90.2239, 47.9494



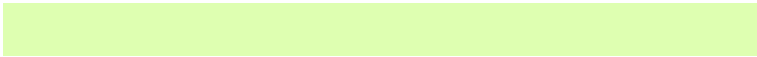
73.8200, 90.2239, 55.1192



67.3786, 90.2239, 73.8270

# Triad

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



73.8200, 90.2239, 55.1192



76.7435, 90.2239, 166.8476



109.5524, 90.2239, 93.0593

# Complementary

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



73.8200, 90.2239, 55.1192



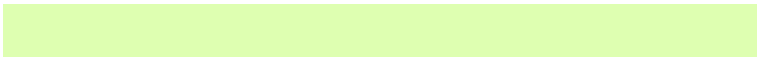
60.3515, 52.3672, 101.5347

# 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.



107.2015, 90.2239, 127.5129



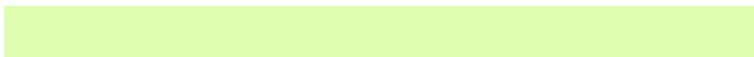
73.8200, 90.2239, 55.1192



87.6095, 90.2239, 175.1820

# Square

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



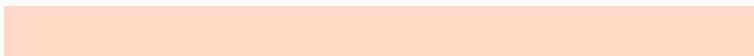
73.8200, 90.2239, 55.1192



68.9585, 90.2239, 138.6920



98.9119, 90.2239, 159.4536

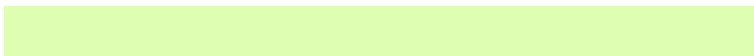


105.0791, 90.2239, 66.5322

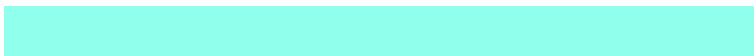


# Rectangle

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



73.8200, 90.2239, 55.1192



65.6913, 90.2239, 92.6576



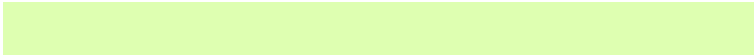
98.9119, 90.2239, 159.4536



109.5374, 90.2239, 104.0391

# Sweetspot

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



73.8204, 90.2241, 55.1205



88.0901, 96.8138, 90.4253



72.0998, 70.2818, 51.3620



18.6263, 20.6172, 18.7612



0.0000, 0.0000, 0.0000

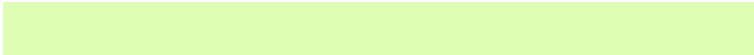


20.3446, 21.4041, 23.3091

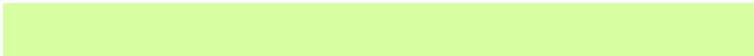


# Same Dimension

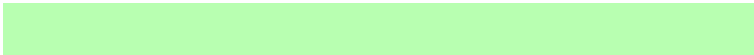
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8204, 90.2241, 55.1205



70.2106, 88.5404, 46.9461



63.3442, 84.8234, 54.6302



18.7753, 20.6856, 19.1475



25.1576, 40.7073, 6.5314



2.5744, 4.0279, 0.6418



# Inverse Universe

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



60.3515, 52.3672, 101.5347



54.7052, 44.9453, 100.3998



72.6616, 58.7133, 102.1109



17.7315, 17.7533, 22.7421



12.8175, 5.5182, 49.8241

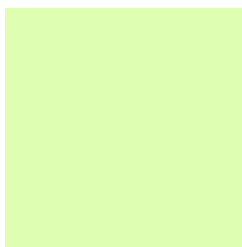


1.3696, 0.5999, 4.8569



# Previews

## White Background



This preview shows how the XYZ color 73.8200, 90.2239, 55.1192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

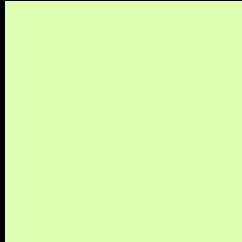
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8200, 90.2239, 55.1192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

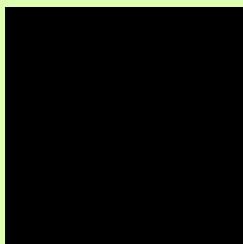
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

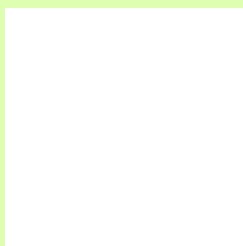
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8200, 90.2239, 55.1192**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8200, 90.2239, 55.1192.



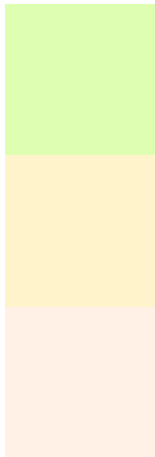
This preview shows how white text looks on a background with the XYZ color 73.8200, 90.2239,



# 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

73.8200, 90.2239, 55.1192

### Protanopia

84.1897, 89.7208, 70.0073

### Deuteranopia

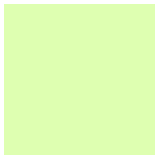
86.9782, 89.8838, 87.6280



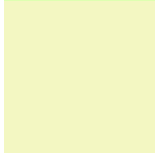
## Tritanopia

85.6606, 90.0985, 107.4837

# Trichromacy



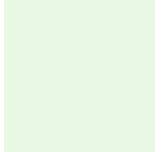
**Original Color**  
73.8200, 90.2239, 55.1192



**Protanomaly**  
79.9605, 89.4713, 64.0942

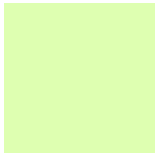


**Deuteranomaly**  
81.6758, 89.6694, 74.6312

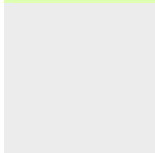


**Tritanomaly**  
80.7112, 89.8367, 85.7593

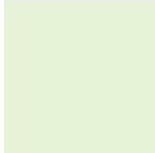
# Monochromacy



**Original Color**  
73.8200, 90.2239, 55.1192



**Achromatopsia**  
79.7278, 83.8799, 91.3452



**Achromatomaly**  
77.2713, 85.9964, 76.8163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8200, 90.2239, 55.1192 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(222, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 177)  
}
```

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(222, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8200, 90.2239, 55.1192 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(222, 255, 177) }
```



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

```
.border{ border-color:rgb(222, 255, 177) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8200, 90.2239, 55.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 177) }
```

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

```
.background{ background-color: rgb(222,  
255, 177) }
```

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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