

# Converting Colors

XYZ(75.1236, 94.1613, 49.0147)

Have a look what the booklet for  
XYZ(75.1236, 94.1613, 49.0147)  
contains.

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# Color

**XYZ(73.1113, 90.0116,  
48.1709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FFA3
RGB	224, 255, 163
RGB Percent	88%, 100%, 64%
CMY	0.1216, 0.0000, 0.3608
CMYK	0.12, 0.00, 0.36, 0.00
HSL	80°, 100%, 82%
HSV	80°, 36%, 100%
XYZ	73.1113, 90.0116, 48.1709
YIQ	235.2430, 11.0560, -35.1840

# Conversions

## Conversions Part 2

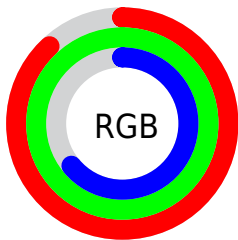
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 255, 194
Decimal	14745507
CIELab	96.00, -24.64, 40.71
CIELCh	96, 47.586, 121.183
Yxy	90.0116, 0.3460, 0.4260
Android (android.graphics.Color)	4292935587 (0xFFE0FFA3)
YUV	235.2430, -35.6158, -9.8601
Hunter-Lab	94.8744, -28.4762, 36.3086

# Details

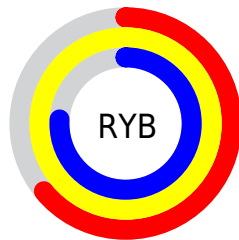
The XYZ color **73.1113, 90.0116, 48.1709** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.3964, 44.8850, 100.4571**, and the grayscale version is **79.4071, 83.5424, 90.9777**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **39.1570, 49.8388, 22.3079** is the 20% darker color. If you saturate the color by 10%, you get **68.4557, 87.8495, 37.2050**, and if you desaturate by 10%, it is **78.3629, 92.4277, 61.5717**.

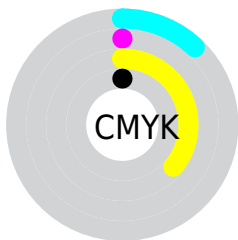
# Distribution



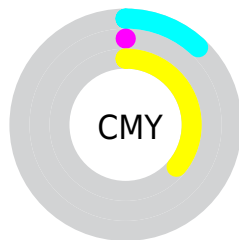
- Red (88%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1113, 90.0116, 48.1709 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 73.1113, 90.0116, 48.1709 by changing the saturation by 10% instead.





 73.1113, 90.0116,  
48.1709


 73.1113, 90.0116,  
48.1709


460.4983,  
528.0686, 395.9974

 54.3557, 67.9903,  
33.6013


 122.6375,  
147.3545, 88.8270

 39.1179, 49.8898,  
22.3126


 154.1388,  
183.4449, 115.7506

 27.0326, 35.3259,  
13.8863


190.6193,  
224.9937, 147.6292

 17.7344, 23.9140,  
7.9038

232.4444,  
272.3854, 184.8815

 10.8580, 15.2698,  
3.9465

279.9795,  
326.0043, 227.9259

 6.0380, 9.0090,  
1.5961

333.5900,

 2.9091, 4.7470,

386.2349, 277.1810

0.2880

393.6411,  
453.4615, 333.0653

■ 1.1059, 2.0996,  
0.0000

■ 0.0300, 0.6644,  
0.0000

■ 73.1113, 90.0116,  
48.1709

■ 73.1113, 90.0116,  
48.1709

■ 68.4557, 87.8495,  
37.2050

■ 78.3629, 92.4277,  
61.5717

■ 64.3653, 85.9287,  
28.5235

■ 84.2369, 95.1086,  
77.5381

■ 60.8075, 84.2361,  
21.9649

■ 90.7592, 98.0647,  
96.1961

■ 57.7453, 82.7565,  
17.3454

95.0500, 100.0000,  
108.9000

■ 55.1357, 81.4726,  
14.4494

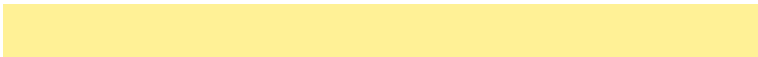
■ 52.9259, 80.3630,  
13.0094

■ 52.1382, 79.9632,  
12.6865

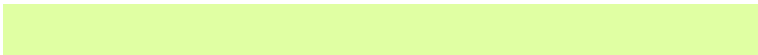
# Harmonies

## Analogous

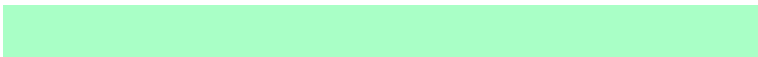
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0320, 90.0116, 41.9496



73.1113, 90.0116, 48.1709



65.2465, 90.0116, 67.0674

# Triad

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



73.1113, 90.0116, 48.1709



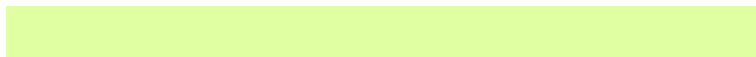
73.9291, 90.0116, 176.1822



113.4215, 90.0116, 96.5189

# Complementary

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



73.1113, 90.0116, 48.1709



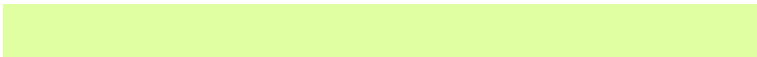
53.3964, 44.8850, 100.4571

# 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.



109.6889, 90.0116, 137.2438



73.1113, 90.0116, 48.1709



86.0768, 90.0116, 189.7591

# Square

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



73.1113, 90.0116, 48.1709



65.6835, 90.0116, 140.5127



99.3324, 90.0116, 173.9797

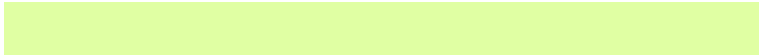


109.0736, 90.0116, 65.0753

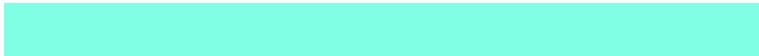


# Rectangle

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



73.1113, 90.0116, 48.1709



62.9093, 90.0116, 87.3159



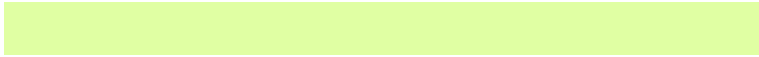
99.3324, 90.0116, 173.9797



113.0676, 90.0116, 109.5377

# Sweetspot

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



73.1117, 90.0118, 48.1722



87.4660, 96.5745, 86.6677



67.0692, 62.3406, 43.1496



18.5332, 20.5856, 18.0139



0.0000, 0.0000, 0.0000

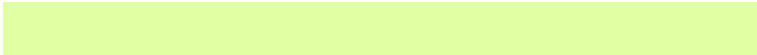


20.3446, 21.4041, 23.3091

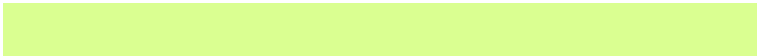


# Same Dimension

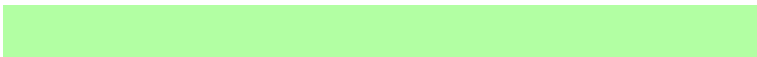
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1117, 90.0118, 48.1722



69.8269, 88.4886, 40.3295



60.8083, 83.6692, 47.5964



18.9318, 20.7663, 19.1548



27.4089, 41.8679, 6.6367



2.7852, 4.1366, 0.6516



# Inverse Universe

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



53.3964, 44.8850, 100.4571



47.5908, 37.5593, 99.3491



66.9699, 51.8824, 101.0923



17.5798, 17.6751, 22.7350



11.5749, 4.8775, 49.7660

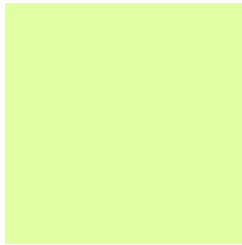


1.2379, 0.5321, 4.8507



# Previews

## White Background



This preview shows how the XYZ color 73.1113, 90.0116, 48.1709 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 73.1113, 90.0116, 48.1709 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

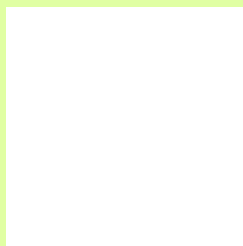
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.1113, 90.0116, 48.1709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1113, 90.0116, 48.1709.



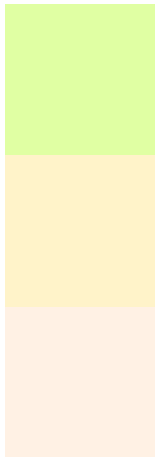
This preview shows how white text looks on a background with the XYZ color 73.1113, 90.0116,



# 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

73.1113, 90.0116, 48.1709

### Protanopia

83.8332, 89.5782, 68.1302

### Deuteranopia

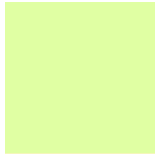
86.6989, 89.7720, 86.1570



## Tritanopia

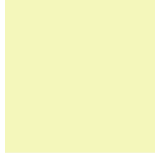
86.0358, 89.8464, 107.4153

# Trichromacy



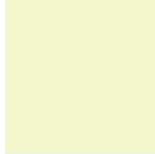
## Original Color

73.1113, 90.0116, 48.1709



## Protanomaly

79.5386, 89.3425, 60.0664



## Deuteranomaly

81.1631, 89.5043, 70.1250



## Tritanomaly

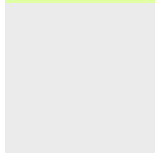
80.3773, 89.2879, 82.1052

# Monochromacy



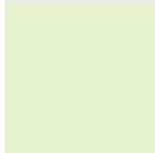
## Original Color

73.1113, 90.0116, 48.1709



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.2158, 85.0966, 72.7299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1113, 90.0116, 48.1709 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(224, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 163)  
}
```

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(224, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1113, 90.0116, 48.1709 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(224, 255, 163) }
```



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

```
.border{ border-color:rgb(224, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1113, 90.0116, 48.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 163) }
```

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

```
.background{ background-color: rgb(224,  
255, 163) }
```

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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