

Converting Colors

XYZ(72.5868, 89.6885, 50.5321)

Have a look what the booklet for
XYZ(72.5868, 89.6885, 50.5321)
contains.

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Color

**XYZ(72.6467, 89.7193,
50.5345)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFA8
RGB	221, 255, 168
RGB Percent	87%, 100%, 66%
CMY	0.1333, 0.0000, 0.3412
CMYK	0.13, 0.00, 0.34, 0.00
HSL	83°, 100%, 83%
HSV	83°, 34%, 100%
XYZ	72.6467, 89.7193, 50.5345
YIQ	234.9160, 7.6630, -34.2650

Conversions

Conversions Part 2

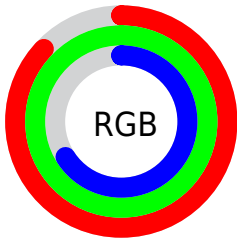
Format	Color
RYB	168, 255, 202
Decimal	14548904
CIELab	95.88, -25.09, 38.05
CIELCh	96, 45.576, 123.400
Yxy	89.7193, 0.3412, 0.4214
Android (android.graphics.Color)	4292738984 (0xFFDDFFA8)
YUV	234.9160, -32.9896, -12.2043
Hunter-Lab	94.7203, -28.8580, 34.6722

Details

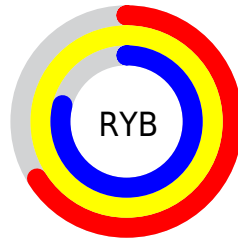
The XYZ color **72.6467, 89.7193, 50.5345** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.4109, 47.7831, 100.8576**, and the grayscale version is **79.1402, 83.2616, 90.6719**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **38.8056, 49.6253, 23.7530** is the 20% darker color. If you saturate the color by 10%, you get **67.5543, 87.3422, 39.0878**, and if you desaturate by 10%, it is **78.3859, 92.3760, 64.4456**.

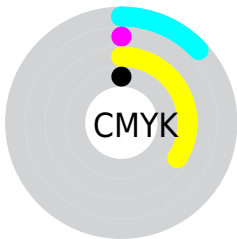
Distribution



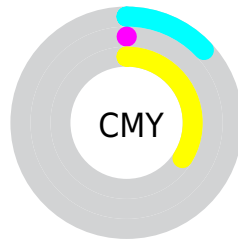
- Red (87%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (79%)



- Cyan (13%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6467, 89.7193, 50.5345 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 72.6467, 89.7193, 50.5345 by changing the saturation by 10% instead.


 72.6467, 89.7193,
50.5345

 72.6467, 89.7193,
50.5345


458.9122,
527.1173, 405.5473

 53.9745, 67.7479,
35.4641


 121.9814,
146.9484, 92.3708

 38.8118, 49.6926,
23.7342


153.3745,
182.9749, 119.9737

 26.7934, 35.1692,
14.9262


189.7387,
224.4552, 152.5913

 17.5539, 23.7933,
8.6216

231.4392,
271.7736, 190.6420

 10.7280, 15.1803,
4.4017

278.8415,
325.3147, 234.5445

 5.9502, 8.9460,
1.8482

332.3108,

 2.8552, 4.7060,

385.4627, 284.7171

0.4595

392.2126,
452.6021, 341.5785

■ 1.0776, 2.0758,
0.0000

■ 0.0063, 0.6510,
0.0000

■ 72.6467, 89.7193,
50.5345

■ 72.6467, 89.7193,
50.5345

■ 67.5543, 87.3422,
39.0878

■ 78.3859, 92.3760,
64.4456

■ 63.0770, 85.2315,
29.9573

■ 84.7989, 95.3234,
80.9496

■ 59.1820, 83.3738,
22.9852

■ 91.9124, 98.5724,
100.1708

■ 55.8318, 81.7538,
17.9921

95.0500, 100.0000,
108.9000

■ 52.9837, 80.3539,
14.7699

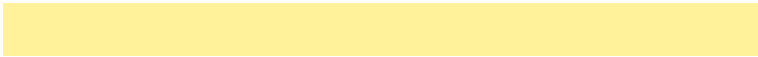
■ 50.5858, 79.1530,
13.0640

■ 49.3435, 78.5226,
12.5557

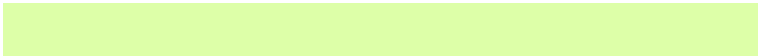
Harmonies

Analogous

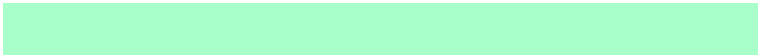
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8497, 89.7193, 43.5889



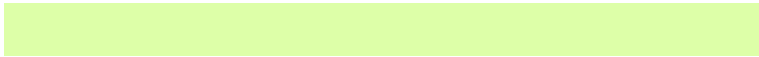
72.6467, 89.7193, 50.5345



65.4325, 89.7193, 69.8491

Triad

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



72.6467, 89.7193, 50.5345



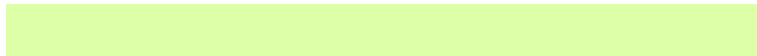
74.9013, 89.7193, 173.6036



111.7590, 89.7193, 93.6401

Complementary

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



72.6467, 89.7193, 50.5345



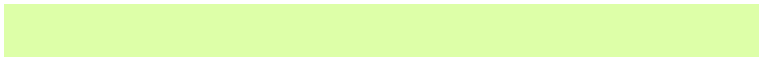
56.4109, 47.7831, 100.8576

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.



108.7722, 89.7193, 132.0891



72.6467, 89.7193, 50.5345



86.7173, 89.7193, 184.3940

Square

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



72.6467, 89.7193, 50.5345



66.6415, 89.7193, 140.9780



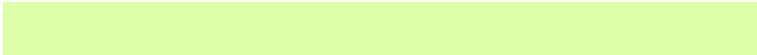
99.2891, 89.7193, 167.6485



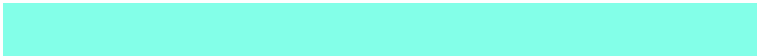
107.0946, 89.7193, 64.3151

Rectangle

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



72.6467, 89.7193, 50.5345



63.4424, 89.7193, 89.9444



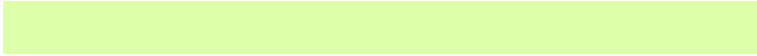
99.2891, 89.7193, 167.6485



111.6182, 89.7193, 105.8660

Sweetspot

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



72.6471, 89.7195, 50.5358



87.6410, 96.6238, 88.5264



69.2769, 66.0247, 46.1399



18.5482, 20.5852, 18.3834



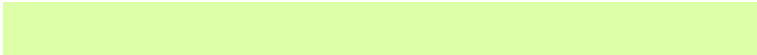
0.0000, 0.0000, 0.0000



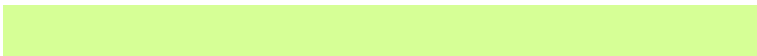
20.3446, 21.4041, 23.3091

Same Dimension

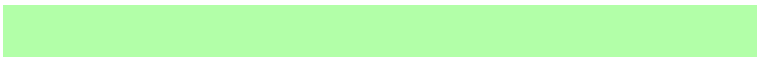
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6471, 89.7195, 50.5358



69.0740, 88.0539, 42.4000



61.2232, 83.8303, 50.0012



18.8337, 20.7157, 19.1502



25.9555, 41.1186, 6.5687



2.6498, 4.0668, 0.6453

Inverse Universe

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



56.4109, 47.7831, 100.8576



50.5920, 40.2931, 99.7186



69.6571, 54.6118, 101.4775



17.6744, 17.7239, 22.7395



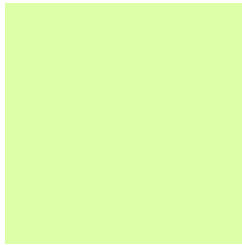
12.3131, 5.2581, 49.8005



1.3171, 0.5729, 4.8544

Previews

White Background



This preview shows how the XYZ color 72.6467, 89.7193, 50.5345 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 72.6467, 89.7193, 50.5345 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

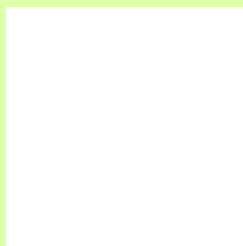
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6467, 89.7193, 50.5345

Background



This preview shows how black text looks on a background with the XYZ color 72.6467, 89.7193, 50.5345.

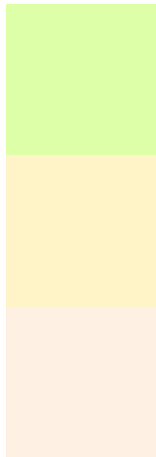


This preview shows how white text looks on a background with the XYZ color 72.6467, 89.7193,

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

72.6467, 89.7193, 50.5345

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

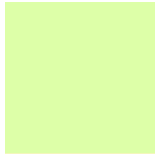
86.4037, 89.1816, 86.0586



Tritanopia

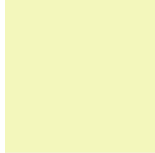
85.3605, 89.4983, 107.3837

Trichromacy



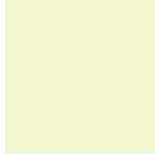
Original Color

72.6467, 89.7193, 50.5345



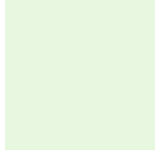
Protanomaly

79.3000, 89.2071, 60.6161



Deuteranomaly

80.7551, 88.8157, 71.2794



Tritanomaly

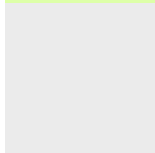
79.8588, 89.0050, 82.7827

Monochromacy



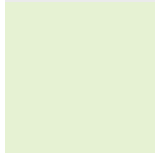
Original Color

72.6467, 89.7193, 50.5345



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1431, 85.0304, 74.0274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6467, 89.7193, 50.5345 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(221, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 168)  
}
```

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(221, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 72.6467, 89.7193, 50.5345 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(221, 255, 168) }
```


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

```
.border{ border-color:rgb(221, 255, 168) }
```

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

Here you see how a box with a 4 pixel rgb(221, 255, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6467, 89.7193, 50.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 168) }
```

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

```
.background{ background-color: rgb(221,  
255, 168) }
```

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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