

Converting Colors

XYZ(73.0195, 89.8805, 51.9543)

Have a look what the booklet for
XYZ(73.0195, 89.8805, 51.9543)
contains.

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Color

**XYZ(72.9295, 89.8324,
52.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFAB
RGB	221, 255, 171
RGB Percent	87%, 100%, 67%
CMY	0.1333, 0.0000, 0.3294
CMYK	0.13, 0.00, 0.33, 0.00
HSL	84°, 100%, 84%
HSV	84°, 33%, 100%
XYZ	72.9295, 89.8324, 52.0237
YIQ	235.2580, 6.7000, -33.3320

Conversions

Conversions Part 2

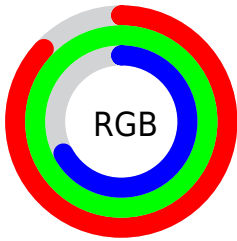
Format	Color
RYB	171, 255, 205
Decimal	14548907
CIELab	95.93, -24.70, 36.62
CIELCh	96, 44.173, 123.995
Yxy	89.8324, 0.3395, 0.4182
Android (android.graphics.Color)	4292738987 (0xFFDDFFAB)
YUV	235.2580, -31.6792, -12.5043
Hunter-Lab	94.7800, -28.5161, 33.8023

Details

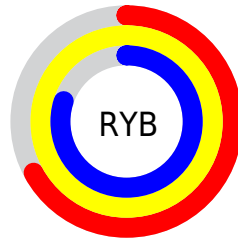
The XYZ color **72.9295, 89.8324, 52.0237** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.7908, 49.3262, 101.0828**, and the grayscale version is **79.3919, 83.5264, 90.9603**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **38.9811, 49.6955, 24.6772** is the 20% darker color. If you saturate the color by 10%, you get **67.6818, 87.3814, 40.2908**, and if you desaturate by 10%, it is **78.8402, 92.5710, 66.2377**.

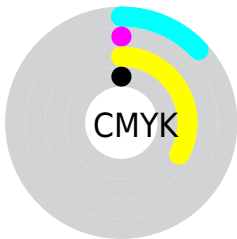
Distribution



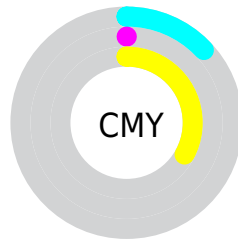
- Red (87%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (80%)



- Cyan (13%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.9295, 89.8324, 52.0237 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 72.9295, 89.8324, 52.0237 by changing the saturation by 10% instead.


 72.9295, 89.8324,
52.0237

 72.9295, 89.8324,
52.0237


459.8780,
527.4855, 411.4876

 54.2065, 67.8416,
36.6416


 122.3808,
147.1056, 94.5931

 38.9981, 49.7689,
24.6365


153.8398,
183.1568, 122.6175

 26.9390, 35.2298,
15.5899


190.2748,
224.6636, 155.6931

 17.6637, 23.8400,
9.0832

232.0512,
272.0104, 194.2384

 10.8071, 15.2149,
4.6980

279.5344,
325.5816, 238.6720

 6.0036, 8.9704,
2.0155

333.0897,

 2.8879, 4.7219,

385.7616, 289.4124

0.5648

393.0824,
452.9348, 346.8781

■ 1.0948, 2.0850,
0.0000

■ 0.0207, 0.6562,
0.0000

■ 72.9295, 89.8324,
52.0237

■ 72.9295, 89.8324,
52.0237

■ 67.6818, 87.3814,
40.2908

■ 78.8402, 92.5710,
66.2377

■ 63.0653, 85.2048,
30.8924

■ 85.4409, 95.6083,
83.0601

■ 59.0472, 83.2890,
23.6726

■ 92.7585, 98.9554,
102.6143

■ 55.5902, 81.6187,
18.4547

95.0500, 100.0000,
108.9000

■ 52.6519, 80.1767,
15.0347

■ 50.1814, 78.9419,
13.1649

■ 48.6686, 78.1746,
12.5241

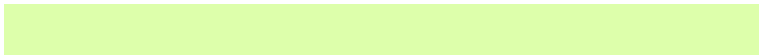
Harmonies

Analogous

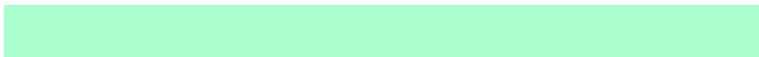
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7593, 89.8324, 44.9426



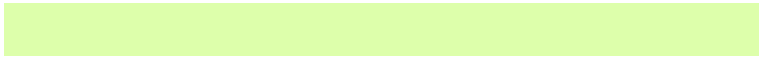
72.9295, 89.8324, 52.0237



65.9911, 89.8324, 71.2191

Triad

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



72.9295, 89.8324, 52.0237



75.5073, 89.8324, 171.4519



110.9815, 89.8324, 93.2065

Complementary

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



72.9295, 89.8324, 52.0237



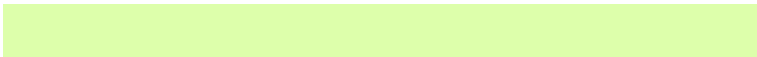
57.7908, 49.3262, 101.0828

Split Complementary

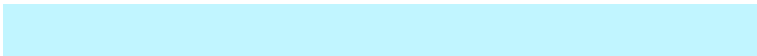
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.2441, 89.8324, 130.3166



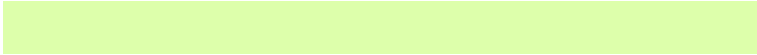
72.9295, 89.8324, 52.0237



87.0275, 89.8324, 181.2829

Square

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



72.9295, 89.8324, 52.0237



67.3769, 89.8324, 140.3796



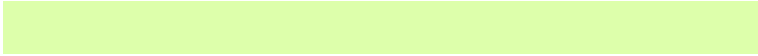
99.1792, 89.8324, 164.7379



106.3413, 89.8324, 64.8580

Rectangle

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



72.9295, 89.8324, 52.0237



64.1177, 89.8324, 90.9526



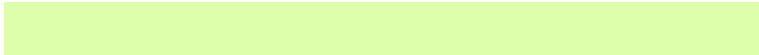
99.1792, 89.8324, 164.7379



110.8961, 89.8324, 105.0084

Sweetspot

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



72.9299, 89.8326, 52.0250



87.5169, 96.5598, 88.5206



70.3271, 67.6726, 47.8849



18.5182, 20.5697, 18.3820



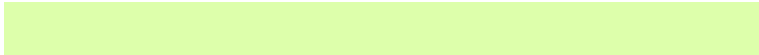
0.0000, 0.0000, 0.0000



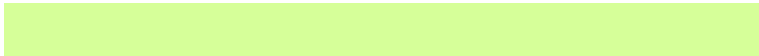
20.3446, 21.4041, 23.3091

Same Dimension

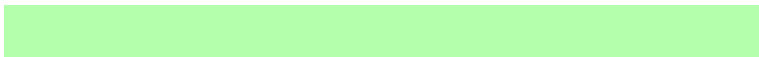
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9299, 89.8326, 52.0250



69.1578, 88.0730, 43.4918



61.7945, 84.0921, 51.5039



18.8084, 20.7027, 19.1490



25.6038, 40.9373, 6.5522



2.6167, 4.0497, 0.6438

Inverse Universe

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



57.7908, 49.3262, 101.0828



51.7629, 41.5097, 99.8917



70.8304, 56.0484, 101.6930



17.6991, 17.7366, 22.7406



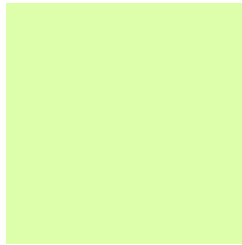
12.5254, 5.3676, 49.8105



1.3393, 0.5844, 4.8555

Previews

White Background



This preview shows how the XYZ color 72.9295, 89.8324, 52.0237 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 72.9295, 89.8324, 52.0237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

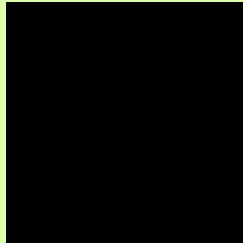
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

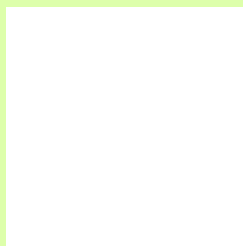
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9295, 89.8324, 52.0237

Background



This preview shows how black text looks on a background with the XYZ color 72.9295, 89.8324, 52.0237.

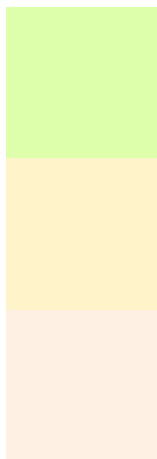


This preview shows how white text looks on a background with the XYZ color 72.9295, 89.8324,

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

72.9295, 89.8324, 52.0237

Protanopia

83.8332, 89.5782, 68.1302

Deuteranopia

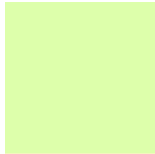
86.4037, 89.1816, 86.0586



Tritanopia

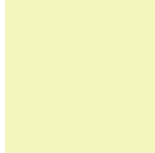
85.3605, 89.4983, 107.3837

Trichromacy



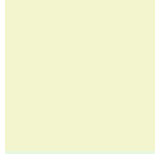
Original Color

72.9295, 89.8324, 52.0237



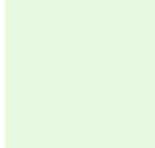
Protanomaly

79.5172, 89.2939, 61.7596



Deuteranomaly

80.8770, 88.8645, 71.9214



Tritanomaly

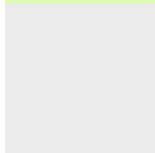
79.9940, 89.0592, 83.4950

Monochromacy



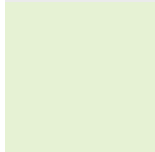
Original Color

72.9295, 89.8324, 52.0237



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2689, 85.0807, 74.6898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9295, 89.8324, 52.0237 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 72.9295, 89.8324, 52.0237 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, 171) }
```


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

```
.border{ border-color:rgb(221, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 255, 171); box-shadow:4px 4px 4px 4px rgb(221, 255, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9295, 89.8324, 52.0237 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, 171) }
```

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

```
.background{ background-color: rgb(221,  
255, 171) }
```

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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