

Converting Colors

XYZ(71.6429, 89.1451, 53.0521)

Have a look what the booklet for
XYZ(71.6429, 89.1451, 53.0521)
contains.

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Color

**XYZ(71.6217, 89.1361,
52.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFAD
RGB	216, 255, 173
RGB Percent	85%, 100%, 68%
CMY	0.1529, 0.0000, 0.3216
CMYK	0.15, 0.00, 0.32, 0.00
HSL	89°, 100%, 84%
HSV	89°, 32%, 100%
XYZ	71.6217, 89.1361, 52.9653
YIQ	233.9910, 3.0780, -33.7700

Conversions

Conversions Part 2

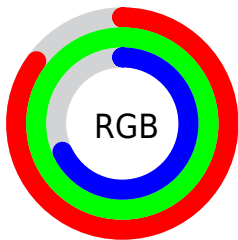
Format	Color
RYB	173, 255, 212
Decimal	14221229
CIELab	95.64, -26.20, 35.19
CIELCh	96, 43.870, 126.673
Yxy	89.1361, 0.3351, 0.4171
Android (android.graphics.Color)	4292411309 (0xFFD8FFAD)
YUV	233.9910, -30.0686, -15.7781
Hunter-Lab	94.4119, -29.8092, 32.8265

Details

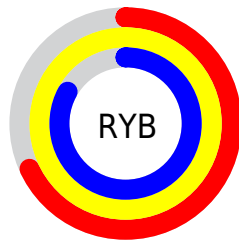
The XYZ color **71.6217, 89.1361, 52.9653** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.1461, 51.1055, 101.3020**, and the grayscale version is **78.4181, 82.5020, 89.8447**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **38.0815, 49.2178, 25.2622** is the 20% darker color. If you saturate the color by 10%, you get **65.9328, 86.4617, 41.0247**, and if you desaturate by 10%, it is **78.0469, 92.1355, 67.4009**.

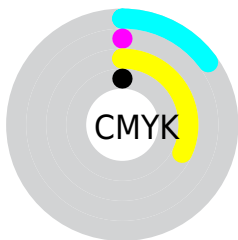
Distribution



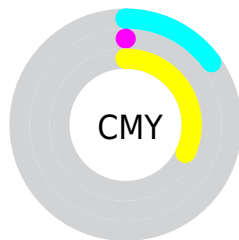
- Red (85%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (83%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.6217, 89.1361, 52.9653 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 71.6217, 89.1361, 52.9653 by changing the saturation by 10% instead.

 71.6217, 89.1361,
52.9653

 71.6217, 89.1361,
52.9653

455.4019,
525.2166, 415.2145

 53.1341, 67.2644,
37.3875


 120.5322,
146.1378, 95.9943

 38.1377, 49.2995,
25.2095


151.6859,
182.0366, 124.2827

 26.2673, 34.8571,
16.0128


187.7922,
223.3798, 157.6450

 17.1574, 23.5528,
9.3788

229.2166,
270.5519, 196.4998

 10.4428, 15.0022,
4.8889

276.3244,
323.9372, 241.2656

 5.7580, 8.8210,
2.1246

329.4810,

 2.7378, 4.6246,

383.9202, 292.3609

0.6304

389.0517,
450.8852, 350.2044

■ 1.0167, 2.0287,
0.0000

■ 0.0000, 0.6241,
0.0000

■ 71.6217, 89.1361,
52.9653

■ 71.6217, 89.1361,
52.9653

■ 65.9328, 86.4617,
41.0247

■ 78.0469, 92.1355,
67.4009

■ 60.9464, 84.0982,
31.4336

■ 85.2374, 95.4722,
84.4583

■ 56.6275, 82.0310,
24.0370

■ 93.2220, 99.1584,
104.2602

■ 52.9369, 80.2436,
18.6602

■ 95.0500, 100.0000,
108.9000

■ 49.8299, 78.7175,
15.1013

■ 47.2539, 77.4307,
13.1170

■ 45.5464, 76.5651,
12.3780

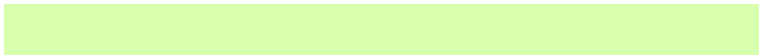
Harmonies

Analogous

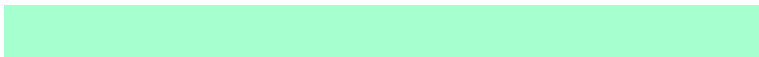
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0568, 89.1361, 44.9368



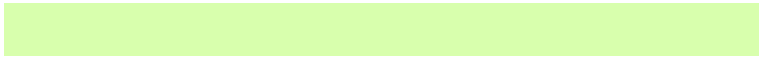
71.6217, 89.1361, 52.9653



65.1751, 89.1361, 73.0768

Triad

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



71.6217, 89.1361, 52.9653



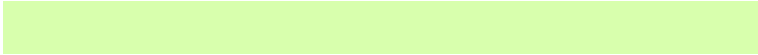
75.8731, 89.1361, 171.6353



109.8828, 89.1361, 89.5446

Complementary

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



71.6217, 89.1361, 52.9653



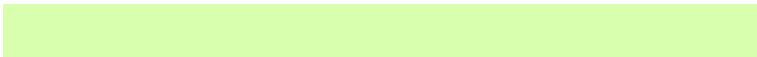
60.1461, 51.1055, 101.3020

Split Complementary

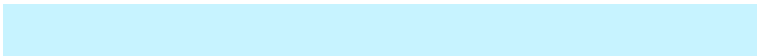
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.8299, 89.1361, 125.7744



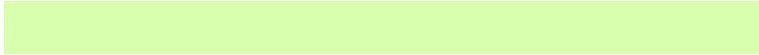
71.6217, 89.1361, 52.9653



87.4426, 89.1361, 179.0134

Square

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



71.6217, 89.1361, 52.9653



67.4621, 89.1361, 142.3292



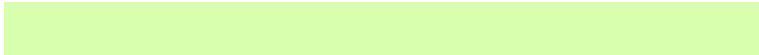
99.3278, 89.1361, 160.6027



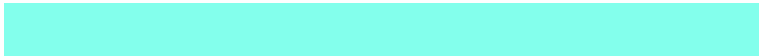
104.6982, 89.1361, 62.5697

Rectangle

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



71.6217, 89.1361, 52.9653



63.6301, 89.1361, 93.2540



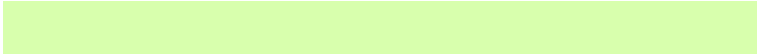
99.3278, 89.1361, 160.6027



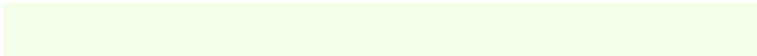
110.0231, 89.1361, 100.9560

Sweetspot

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



71.6221, 89.1362, 52.9666



86.8907, 96.2370, 88.4913



72.1440, 70.9991, 49.4383



18.3666, 20.4916, 18.3749



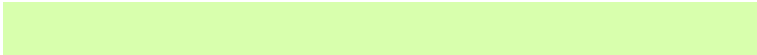
0.0000, 0.0000, 0.0000



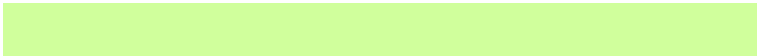
20.3446, 21.4041, 23.3091

Same Dimension

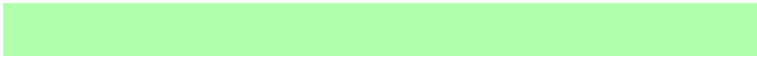
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6221, 89.1362, 52.9666



67.6507, 87.2715, 44.5326



61.1479, 83.7366, 52.4764



18.6806, 20.6368, 19.1431



23.9728, 40.0965, 6.4759



2.4604, 3.9691, 0.6364

Inverse Universe

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



60.1461, 51.1055, 101.3020



54.4510, 43.5217, 100.1384



73.2356, 57.8534, 101.9146



17.8248, 17.8014, 22.7465



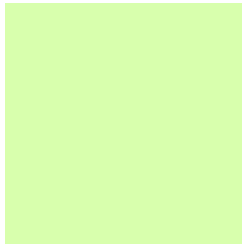
13.7422, 5.9948, 49.8674



1.4631, 0.6482, 4.8613

Previews

White Background



This preview shows how the XYZ color 71.6217, 89.1361, 52.9653 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 71.6217, 89.1361, 52.9653 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

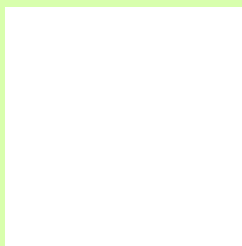
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6217, 89.1361, 52.9653

Background



This preview shows how black text looks on a background with the XYZ color 71.6217, 89.1361, 52.9653.



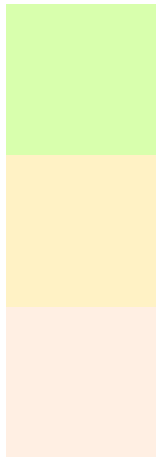
This preview shows how white text looks on a background with the XYZ color 71.6217, 89.1361,

52.9653.

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

71.6217, 89.1361, 52.9653

Protanopia

83.0702, 88.7955, 65.5843

Deuteranopia

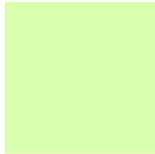
85.9716, 88.5391, 85.2316



Tritanopia

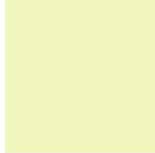
84.0323, 88.8136, 107.3215

Trichromacy



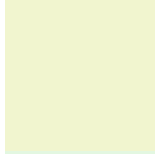
Original Color

71.6217, 89.1361, 52.9653



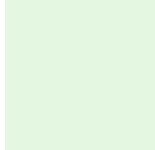
Protanomaly

78.6135, 88.8531, 60.5840



Deuteranomaly

80.1905, 88.5106, 71.8892



Tritanomaly

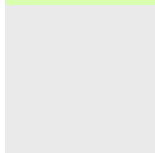
78.5299, 88.2887, 84.1366

Monochromacy



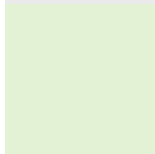
Original Color

71.6217, 89.1361, 52.9653



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.3143, 84.5886, 74.6451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6217, 89.1361, 52.9653 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(216, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 173)  
}
```

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(216, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 71.6217, 89.1361, 52.9653 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(216, 255, 173) }
```


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

```
.border{ border-color:rgb(216, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 173); box-shadow:4px 4px 4px 4px rgb(216, 255, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6217, 89.1361, 52.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 173) }
```

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

```
.background{ background-color: rgb(216,  
255, 173) }
```

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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