

Converting Colors

XYZ(72.4364, 89.6574, 48.4240)

Have a look what the booklet for
XYZ(72.4364, 89.6574, 48.4240)
contains.

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Color

**XYZ(72.5850, 89.7299,
48.6159)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFA4
RGB	222, 255, 164
RGB Percent	87%, 100%, 64%
CMY	0.1294, 0.0000, 0.3569
CMYK	0.13, 0.00, 0.36, 0.00
HSL	82°, 100%, 82%
HSV	82°, 36%, 100%
XYZ	72.5850, 89.7299, 48.6159
YIQ	234.7590, 9.5430, -35.2970

Conversions

Conversions Part 2

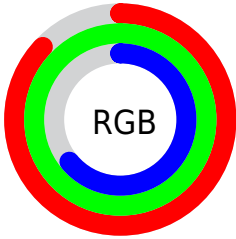
Format	Color
RYB	164, 255, 197
Decimal	14614436
CIELab	95.88, -25.24, 40.04
CIElCh	96, 47.331, 122.222
Yxy	89.7299, 0.3441, 0.4254
Android (android.graphics.Color)	4292804516 (0xFFDEFFA4)
YUV	234.7590, -34.8842, -11.1896
Hunter-Lab	94.7259, -28.9922, 35.8789

Details

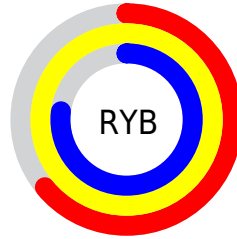
The XYZ color **72.5850, 89.7299, 48.6159** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.3525, 45.6425, 100.5529**, and the grayscale version is **79.0335, 83.1494, 90.5497**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **38.7892, 49.6429, 22.5765** is the 20% darker color. If you saturate the color by 10%, you get **67.7528, 87.4788, 37.5501**, and if you desaturate by 10%, it is **78.0350, 92.2462, 62.1231**.

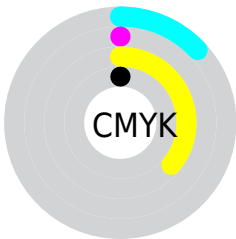
Distribution



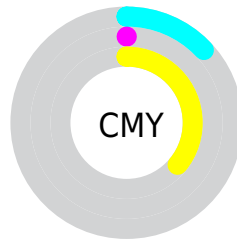
- Red (87%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5850, 89.7299, 48.6159 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 72.5850, 89.7299, 48.6159 by changing the saturation by 10% instead.


 72.5850, 89.7299,
48.6159


 72.5850, 89.7299,
48.6159


458.7013,
527.1518, 397.8072

 53.9239, 67.7566,
33.9514


 121.8942,
146.9632, 89.4958

 38.7712, 49.6998,
22.5792


 153.2730,
182.9919, 116.5483

 26.7617, 35.1749,
14.0808

189.6216,
224.4747, 148.5672

 17.5300, 23.7976,
8.0375

231.3056,
271.7958, 185.9711

 10.7107, 15.1836,
4.0308

278.6902,
325.3397, 229.1785

 5.9385, 8.9483,
1.6423

332.1408,

 2.8480, 4.7075,

385.4907, 278.6080

0.3207

392.0227,
452.6333, 334.6780

■ 1.0739, 2.0767,
0.0000

■ 0.0031, 0.6515,
0.0000

■ 72.5850, 89.7299,
48.6159

■ 72.5850, 89.7299,
48.6159

■ 67.7528, 87.4788,
37.5501

■ 78.0350, 92.2462,
62.1231

■ 63.5072, 85.4799,
28.7757

■ 84.1296, 95.0385,
78.2019

■ 59.8153, 83.7199,
22.1318

■ 90.8951, 98.1177,
96.9780

■ 56.6397, 82.1834,
17.4356

95.0500, 100.0000,
108.9000

■ 53.9371, 80.8530,
14.4730

■ 51.6546, 79.7070,
12.9792

■ 50.7673, 79.2565,
12.6223

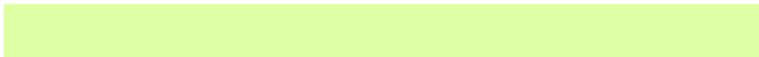
Harmonies

Analogous

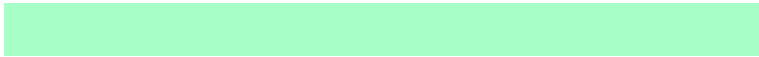
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3157, 89.7299, 42.0182



72.5850, 89.7299, 48.6159



64.9420, 89.7299, 67.8711

Triad

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



72.5850, 89.7299, 48.6159



74.1099, 89.7299, 176.1401



112.9186, 89.7299, 94.9389

Complementary

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



72.5850, 89.7299, 48.6159



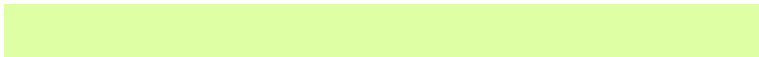
54.3525, 45.6425, 100.5529

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.



109.4875, 89.7299, 135.1952



72.5850, 89.7299, 48.6159



86.2628, 89.7299, 188.6200

Square

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



72.5850, 89.7299, 48.6159



65.7572, 89.7299, 141.2810



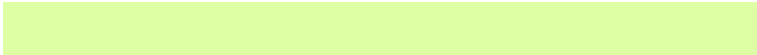
99.3875, 89.7299, 172.0423



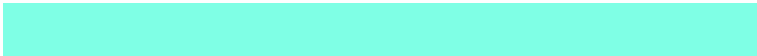
108.3416, 89.7299, 64.1532

Rectangle

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



72.5850, 89.7299, 48.6159



62.7468, 89.7299, 88.2874



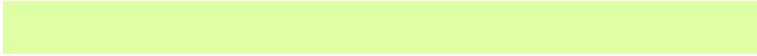
99.3875, 89.7299, 172.0423



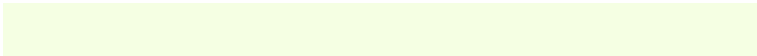
112.6630, 89.7299, 107.7602

Sweetspot

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



72.5854, 89.7301, 48.6172



87.2144, 96.4448, 86.6559



67.6476, 63.3534, 43.7862



18.4731, 20.5546, 18.0111



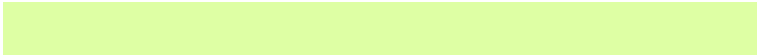
0.0000, 0.0000, 0.0000



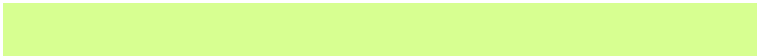
20.3446, 21.4041, 23.3091

Same Dimension

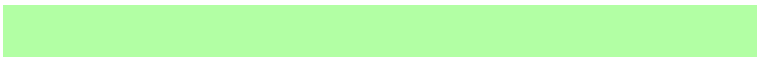
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5854, 89.7301, 48.6172



68.9915, 88.0580, 40.2904



60.7415, 83.6243, 48.0629



18.8849, 20.7421, 19.1526



26.6964, 41.5006, 6.6034



2.7191, 4.1025, 0.6486

Inverse Universe

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



54.3525, 45.6425, 100.5529



48.2641, 37.9064, 99.3806



67.7213, 52.5344, 101.1786



17.6249, 17.6983, 22.7371



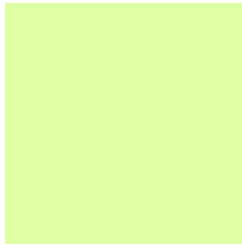
11.9111, 5.0509, 49.7817



1.2744, 0.5509, 4.8524

Previews

White Background



This preview shows how the XYZ color 72.5850, 89.7299, 48.6159 looks on a white background.

Color Contrast Check

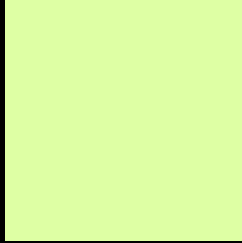
Large Text (above 18pt) WCAG AA × Fail

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 72.5850, 89.7299, 48.6159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

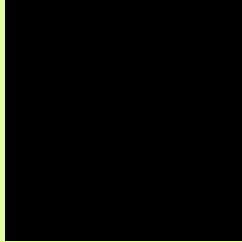
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

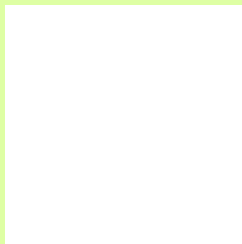
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5850, 89.7299, 48.6159

Background



This preview shows how black text looks on a background with the XYZ color 72.5850, 89.7299, 48.6159.

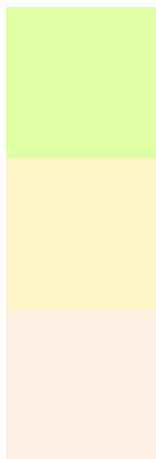


This preview shows how white text looks on a background with the XYZ color 72.5850, 89.7299,

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

72.5850, 89.7299, 48.6159

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

86.2652, 89.1262, 85.3295

Tritanopia

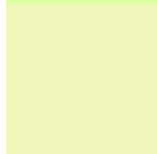
85.3605, 89.4983, 107.3837

Trichromacy



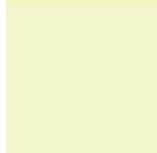
Original Color

72.5850, 89.7299, 48.6159



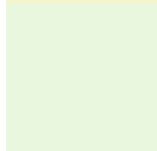
Protanomaly

79.1926, 89.1641, 60.0502



Deuteranomaly

80.5136, 88.7191, 70.0077



Tritanomaly

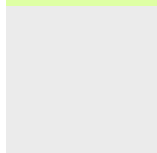
79.7243, 88.9513, 82.0746

Monochromacy



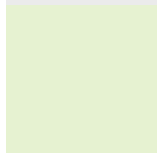
Original Color

72.5850, 89.7299, 48.6159



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

75.8939, 84.9307, 72.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5850, 89.7299, 48.6159 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 72.5850, 89.7299, 48.6159 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, 164) }
```


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

```
.border{ border-color:rgb(222, 255, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5850, 89.7299, 48.6159 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, 164) }
```

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

```
.background{ background-color: rgb(222,  
255, 164) }
```

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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