

Converting Colors

XYZ(77.8050, 100.0000,
50.0208)

Have a look what the booklet for
XYZ(77.8050, 100.0000, 50.0208)
contains.

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Color

**XYZ(72.8023, 89.8523,
48.1565)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFA3
RGB	223, 255, 163
RGB Percent	87%, 100%, 64%
CMY	0.1255, 0.0000, 0.3608
CMYK	0.13, 0.00, 0.36, 0.00
HSL	81°, 100%, 82%
HSV	81°, 36%, 100%
XYZ	72.8023, 89.8523, 48.1565
YIQ	234.9440, 10.4600, -35.3960

Conversions

Conversions Part 2

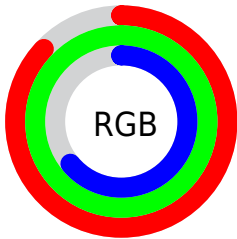
Format	Color
RYB	163, 255, 195
Decimal	14679971
CIELab	95.94, -25.00, 40.61
CIELCh	96, 47.690, 121.616
Yxy	89.8523, 0.3453, 0.4262
Android (android.graphics.Color)	4292870051 (0xFFDFFFA3)
YUV	234.9440, -35.4684, -10.4749
Hunter-Lab	94.7905, -28.7892, 36.2322

Details

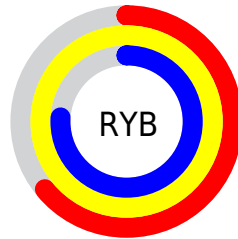
The XYZ color **72.8023, 89.8523, 48.1565** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6540, 45.0178, 100.4692**, and the grayscale version is **79.1783, 83.3017, 90.7155**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.9449, 49.7294, 22.2980** is the 20% darker color. If you saturate the color by 10%, you get **68.0812, 87.6564, 37.1876**, and if you desaturate by 10%, it is **78.1280, 92.3066, 61.5608**.

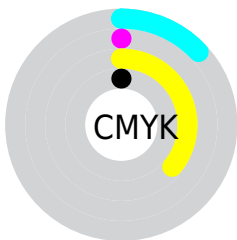
Distribution



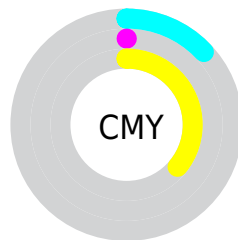
- Red (87%)
- Green (100%)
- Blue (64%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8023, 89.8523, 48.1565 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 72.8023, 89.8523, 48.1565 by changing the saturation by 10% instead.


 72.8023, 89.8523,
48.1565


 72.8023, 89.8523,
48.1565


459.4437,
527.5503, 395.9387

 54.1021, 67.8581,
33.5900


 122.2012,
147.1332, 88.8053

 38.9143, 49.7823,
22.3040


 153.6305,
183.1888, 115.7247

 26.8735, 35.2405,
13.8800

190.0337,
224.7002, 147.5988

 17.6143, 23.8482,
7.8994

231.7760,
272.0520, 184.8462

 10.7715, 15.2210,
3.9438

279.2228,
325.6285, 227.8853

 5.9795, 8.9747,
1.5946

332.7395,

 2.8732, 4.7247,

385.8142, 277.1347

0.2869

392.6913,
452.9933, 333.0130

■ 1.0871, 2.0866,
0.0000

■ 0.0142, 0.6571,
0.0000

■ 72.8023, 89.8523,
48.1565

■ 72.8023, 89.8523,
48.1565

■ 68.0812, 87.6564,
37.1876

■ 78.1280, 92.3066,
61.5608

■ 63.9337, 85.7062,
28.5033

■ 84.0848, 95.0302,
77.5311

■ 60.3269, 83.9883,
21.9425

■ 90.6990, 98.0337,
96.1934

■ 57.2237, 82.4876,
17.3210

95.0500, 100.0000,
108.9000

■ 54.5809, 81.1866,
14.4234

■ 52.3453, 80.0637,
12.9822

■ 51.5494, 79.6598,
12.6589

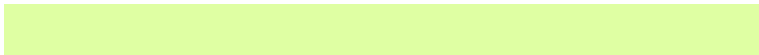
Harmonies

Analogous

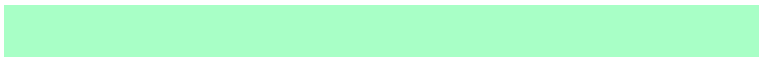
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6897, 89.8523, 41.7690



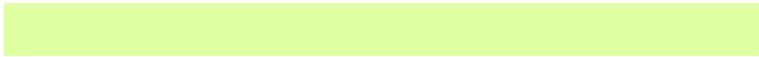
72.8023, 89.8523, 48.1565



65.0033, 89.8523, 67.2476

Triad

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



72.8023, 89.8523, 48.1565



73.9201, 89.8523, 176.5191



113.2998, 89.8523, 95.8028

Complementary

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



72.8023, 89.8523, 48.1565



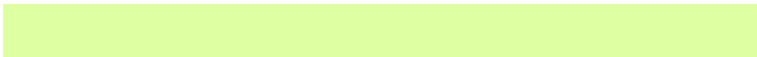
53.6540, 45.0178, 100.4692

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.



109.6755, 89.8523, 136.5204



72.8023, 89.8523, 48.1565



86.1181, 89.8523, 189.7145

Square

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



72.8023, 89.8523, 48.1565



65.6005, 89.8523, 140.9921



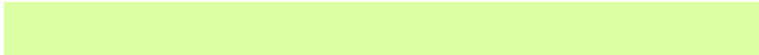
99.3773, 89.8523, 173.5052



108.8339, 89.8523, 64.5260

Rectangle

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



72.8023, 89.8523, 48.1565



62.7183, 89.8523, 87.6354



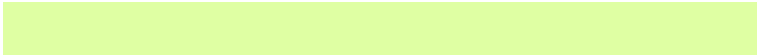
99.3773, 89.8523, 173.5052



112.9854, 89.8523, 108.7944

Sweetspot

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



72.8027, 89.8525, 48.1578



87.3594, 96.5196, 86.6627



67.0692, 62.3406, 43.1497



18.5077, 20.5725, 18.0127



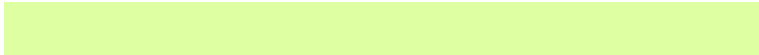
0.0000, 0.0000, 0.0000



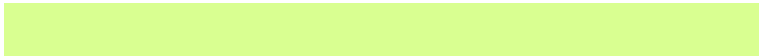
20.3446, 21.4041, 23.3091

Same Dimension

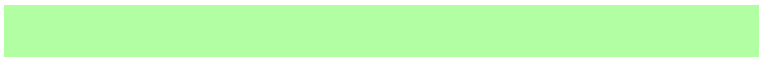
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8027, 89.8525, 48.1578



69.4716, 88.3054, 40.3129



60.8083, 83.6692, 47.5965



18.9120, 20.7560, 19.1539



27.1030, 41.7102, 6.6224



2.7569, 4.1220, 0.6503

Inverse Universe

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



53.6540, 45.0178, 100.4692



47.8741, 37.7054, 99.3624



66.9700, 51.8824, 101.0923



17.5989, 17.6849, 22.7359



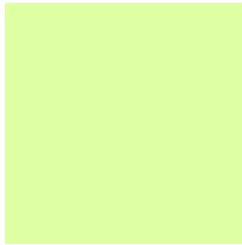
11.7137, 4.9491, 49.7725



1.2530, 0.5399, 4.8514

Previews

White Background



This preview shows how the XYZ color 72.8023, 89.8523, 48.1565 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 72.8023, 89.8523, 48.1565 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 72.8023, 89.8523, 48.1565

Background



This preview shows how black text looks on a background with the XYZ color 72.8023, 89.8523, 48.1565.

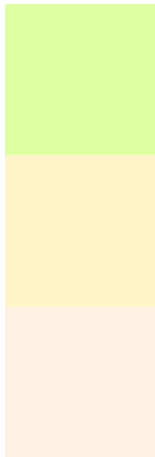


This preview shows how white text looks on a background with the XYZ color 72.8023, 89.8523,

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

72.8023, 89.8523, 48.1565

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

86.4037, 89.1816, 86.0586

Tritanopia

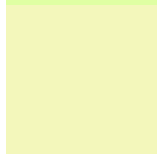
85.6972, 89.6719, 107.3994

Trichromacy



Original Color

72.8023, 89.8523, 48.1565



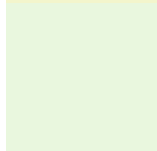
Protanomaly

79.1926, 89.1641, 60.0502



Deuteranomaly

80.5136, 88.7191, 70.0077



Tritanomaly

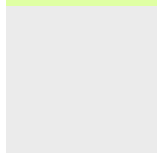
80.0499, 89.1191, 82.0899

Monochromacy



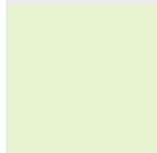
Original Color

72.8023, 89.8523, 48.1565



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 72.8023, 89.8523, 48.1565 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(223, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 72.8023, 89.8523, 48.1565 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(223, 255, 163) }
```


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

```
.border{ border-color:rgb(223, 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(223, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8023, 89.8523, 48.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 163) }
```

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

```
.background{ background-color: rgb(223,  
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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