

Converting Colors

XYZ(75.2092, 95.8958, 46.7861)

Have a look what the booklet for
XYZ(75.2092, 95.8958, 46.7861)
contains.

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Color

**XYZ(72.0558, 89.5182,
45.8288)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF9E
RGB	222, 255, 158
RGB Percent	87%, 100%, 62%
CMY	0.1294, 0.0000, 0.3804
CMYK	0.13, 0.00, 0.38, 0.00
HSL	80°, 100%, 81%
HSV	80°, 38%, 100%
XYZ	72.0558, 89.5182, 45.8288
YIQ	234.0750, 11.4690, -37.1630

Conversions

Conversions Part 2

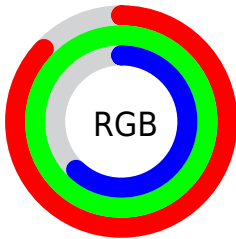
Format	Color
RYB	158, 255, 191
Decimal	14614430
CIELab	95.80, -25.97, 42.87
CIElCh	96, 50.122, 121.208
Yxy	89.5182, 0.3474, 0.4316
Android (android.graphics.Color)	4292804510 (0xFFDEFF9E)
YUV	234.0750, -37.5050, -10.5898
Hunter-Lab	94.6141, -29.6333, 37.5112

Details

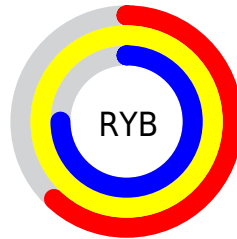
The XYZ color **72.0558, 89.5182, 45.8288** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.7638, 42.7514, 100.1313**, and the grayscale version is **78.5319, 82.6217, 89.9750**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **38.4698, 49.5151, 20.8944** is the 20% darker color. If you saturate the color by 10%, you get **67.4943, 87.3945, 35.3222**, and if you desaturate by 10%, it is **77.2102, 91.8949, 58.7428**.

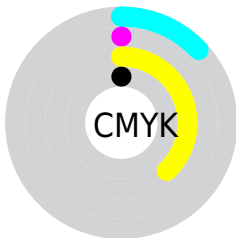
Distribution



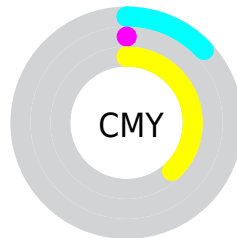
- Red (87%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0558, 89.5182, 45.8288 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 72.0558, 89.5182, 45.8288 by changing the saturation by 10% instead.


 72.0558, 89.5182,
45.8288


 72.0558, 89.5182,
45.8288


456.8904,
526.4623, 386.3775

 53.4899, 67.5811,
31.7631


 121.1462,
146.6690, 85.2943

 38.4230, 49.5570,
20.9173


 152.4015,
182.6514, 111.5311

 26.4899, 35.0616,
12.8729


188.6172,
224.0845, 142.6621

 17.3251, 23.7103,
7.2114

230.1587,
271.3525, 179.1057

 10.5633, 15.1189,
3.5142

277.3915,
324.8399, 221.2805

 5.8391, 8.9028,
1.3628

330.6808,

 2.7872, 4.6779,

384.9311, 269.6051

0.1125

390.3920,
452.0104, 324.4979

■ 1.0423, 2.0595,
0.0000

■ 0.0000, 0.6417,
0.0000

■ 72.0558, 89.5182,
45.8288

■ 72.0558, 89.5182,
45.8288

■ 67.4943, 87.3945,
35.3222

■ 77.2102, 91.8949,
58.7428

■ 63.4943, 85.5110,
27.0695

■ 82.9843, 94.5355,
74.1969

■ 60.0224, 83.8540,
20.9058

■ 89.4045, 97.4508,
92.3190

■ 57.0406, 82.4081,
16.6418

95.0500, 100.0000,
108.9000

■ 54.5043, 81.1552,
14.0541

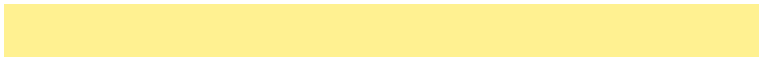
■ 52.3537, 80.0712,
12.8396

■ 51.9609, 79.8719,
12.6782

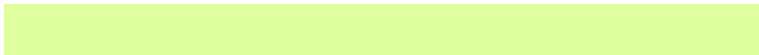
Harmonies

Analogous

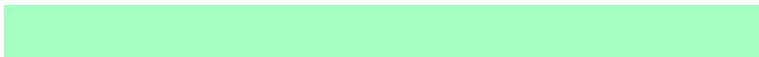
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5257, 89.5182, 39.5016



72.0558, 89.5182, 45.8288



63.8735, 89.5182, 65.2443

Triad

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



72.0558, 89.5182, 45.8288



72.9273, 89.5182, 180.4447



114.4838, 89.5182, 95.8754

Complementary

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



72.0558, 89.5182, 45.8288



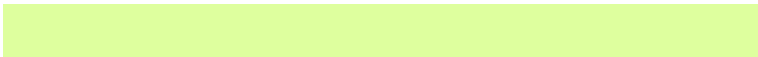
51.7638, 42.7514, 100.1313

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.



110.5370, 89.5182, 138.8685



72.0558, 89.5182, 45.8288



85.6455, 89.5182, 194.9641

Square

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



72.0558, 89.5182, 45.8288



64.3371, 89.5182, 142.4148



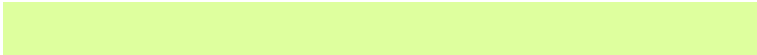
99.5957, 89.5182, 178.0379



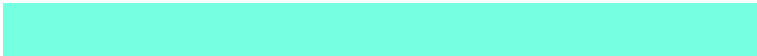
109.8717, 89.5182, 63.1420

Rectangle

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



72.0558, 89.5182, 45.8288



61.4514, 89.5182, 86.3045



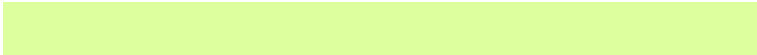
99.5957, 89.5182, 178.0379



114.1112, 89.5182, 109.5595

Sweetspot

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



72.0561, 89.5184, 45.8301



87.4341, 96.5581, 86.6662



65.8980, 60.7010, 40.5923



18.5256, 20.5817, 18.0135



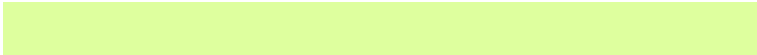
0.0000, 0.0000, 0.0000



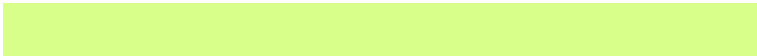
20.3446, 21.4041, 23.3091

Same Dimension

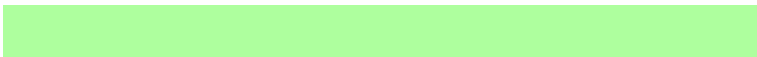
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0561, 89.5184, 45.8301



68.3774, 87.8075, 37.2757



59.4251, 83.0068, 45.2390



18.9259, 20.7632, 19.1545



27.3168, 41.8204, 6.6324



2.7767, 4.1322, 0.6512

Inverse Universe

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



51.7638, 42.7514, 100.1313



45.3655, 34.7295, 98.9202



65.8179, 49.9965, 100.7891



17.5855, 17.6780, 22.7353



11.6158, 4.8987, 49.7679



1.2424, 0.5344, 4.8509

Previews

White Background



This preview shows how the XYZ color 72.0558, 89.5182, 45.8288 looks on a white background.

Color Contrast Check

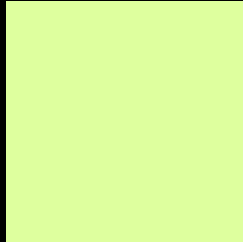
Large Text (above 18pt) WCAG AA × Fail

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 72.0558, 89.5182, 45.8288 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

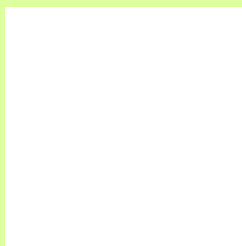
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0558, 89.5182, 45.8288

Background



This preview shows how black text looks on a background with the XYZ color 72.0558, 89.5182, 45.8288.



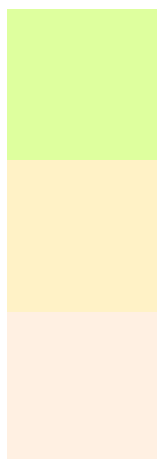
This preview shows how white text looks on a background with the XYZ color 72.0558, 89.5182,

45.8288.

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

72.0558, 89.5182, 45.8288

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

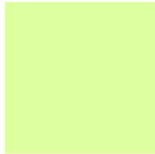
86.1276, 89.0712, 84.6046



Tritanopia

85.0620, 88.9014, 107.2842

Trichromacy



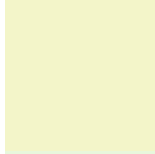
Original Color

72.0558, 89.5182, 45.8288



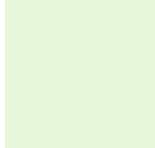
Protanomaly

78.7702, 88.9951, 57.8259



Deuteranomaly

80.1572, 88.5765, 68.1306



Tritanomaly

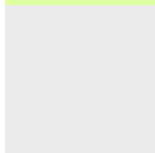
79.4577, 88.8446, 80.6710

Monochromacy



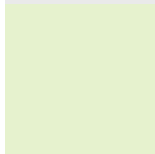
Original Color

72.0558, 89.5182, 45.8288



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5258, 84.7835, 70.7767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0558, 89.5182, 45.8288 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 72.0558, 89.5182, 45.8288 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, 158) }
```


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

```
.border{ border-color:rgb(222, 255, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0558, 89.5182, 45.8288 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, 158) }
```

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

```
.background{ background-color: rgb(222,  
255, 158) }
```

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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