

Converting Colors

XYZ(71.9538, 89.1816, 58.6564)

Have a look what the booklet for
XYZ(71.9538, 89.1816, 58.6564)
contains.

XYZ(71.8523, 89.1268, 58.7636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.8523, 89.1268,
58.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFB8
RGB	213, 255, 184
RGB Percent	84%, 100%, 72%
CMY	0.1647, 0.0000, 0.2784
CMYK	0.16, 0.00, 0.28, 0.00
HSL	95°, 100%, 86%
HSV	95°, 28%, 100%
XYZ	71.8523, 89.1268, 58.7636
YIQ	234.3480, -2.2410, -30.9850

Conversions

Conversions Part 2

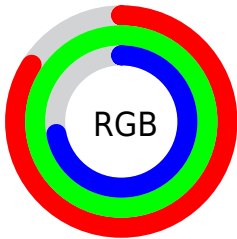
Format	Color
RYB	184, 255, 226
Decimal	14024632
CIELab	95.63, -25.70, 29.64
CIELCh	96, 39.226, 130.927
Yxy	89.1268, 0.3270, 0.4056
Android (android.graphics.Color)	4292214712 (0xFFD5FFB8)
YUV	234.3480, -24.8216, -18.7222
Hunter-Lab	94.4070, -29.3575, 29.1799

Details

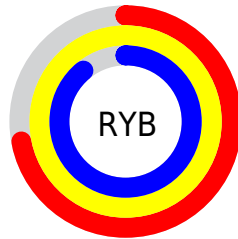
The XYZ color **71.8523, 89.1268, 58.7636** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.5555, 57.6710, 102.2315**, and the grayscale version is **78.6534, 82.7495, 90.1142**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **38.3239, 49.2690, 28.6091** is the 20% darker color. If you saturate the color by 10%, you get **65.2415, 86.0003, 45.7361**, and if you desaturate by 10%, it is **79.3530, 92.6564, 74.3504**.

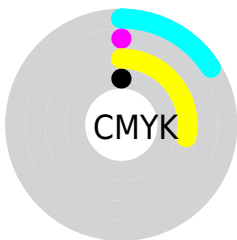
Distribution



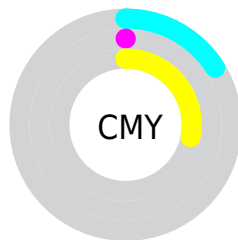
- Red (84%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (89%)



- Cyan (16%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8523, 89.1268, 58.7636 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 71.8523, 89.1268, 58.7636 by changing the saturation by 10% instead.


 71.8523, 89.1268,
58.7636

 71.8523, 89.1268,
58.7636


456.1930,
525.1863, 437.7028

 53.3231, 67.2566,
42.0041


 120.8585,
146.1249, 104.5597

 38.2892, 49.2932,
28.7789


152.0661,
182.0216, 134.4335

 26.3855, 34.8521,
18.6695


188.2306,
223.3626, 169.5157

 17.2464, 23.5490,
11.2573

229.7172,
270.5324, 210.2249

 10.5067, 14.9994,
6.1238

276.8914,
323.9152, 256.9796

 5.8010, 8.8190,
2.8505

330.1186,

 2.7640, 4.6233,

383.8955, 310.1985

1.0188

389.7640,
450.8578, 370.3000

■ 1.0302, 2.0280,
0.0000

■ 0.0000, 0.6237,
0.0000

■ 71.8523, 89.1268,
58.7636

■ 71.8523, 89.1268,
58.7636

■ 65.2415, 86.0003,
45.7361

■ 79.3530, 92.6564,
74.3504

■ 59.4822, 83.2601,
35.1270

■ 87.7767, 96.6033,
92.6191

■ 54.5349, 80.8892,
26.7878

95.0500, 100.0000,
108.9000

■ 50.3562, 78.8687,
20.5523

■ 46.8976, 77.1777,
16.2312

■ 44.1033, 75.7926,
13.6014

■ 41.9027, 74.6832,
12.3648

■ 41.4867, 74.4722,
12.1880

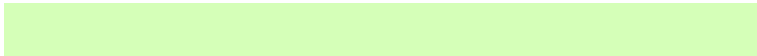
Harmonies

Analogous

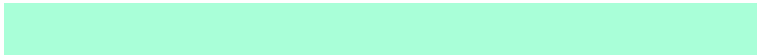
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8455, 89.1268, 49.6666



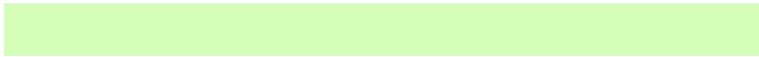
71.8523, 89.1268, 58.7636



66.6021, 89.1268, 78.9181

Triad

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



71.8523, 89.1268, 58.7636



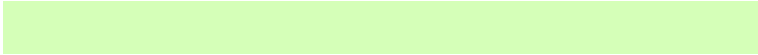
78.1212, 89.1268, 164.6144



106.7258, 89.1268, 86.2257

Complementary

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



71.8523, 89.1268, 58.7636



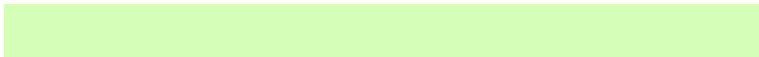
66.5555, 57.6710, 102.2315

Split Complementary

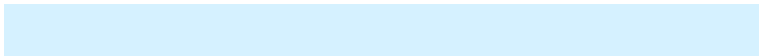
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.8398, 89.1268, 117.7522



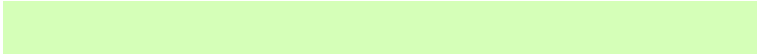
71.8523, 89.1268, 58.7636



88.7005, 89.1268, 167.7367

Square

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



71.8523, 89.1268, 58.7636



70.0037, 89.1268, 141.3333



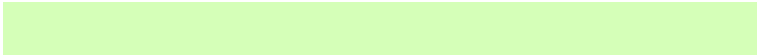
99.0220, 89.1268, 149.1299



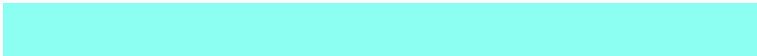
101.3492, 89.1268, 63.1334

Rectangle

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



71.8523, 89.1268, 58.7636



65.6402, 89.1268, 98.0071



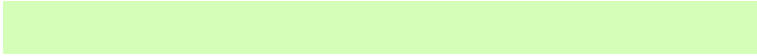
99.0220, 89.1268, 149.1299



107.1614, 89.1268, 96.0871

Sweetspot

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



71.8528, 89.1271, 58.7649



87.6364, 96.5377, 92.3093



76.9303, 78.7973, 56.5035



18.4741, 20.5303, 19.1334



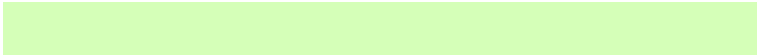
0.0000, 0.0000, 0.0000



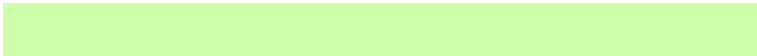
20.3446, 21.4041, 23.3091

Same Dimension

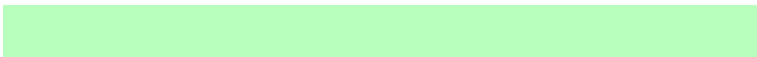
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8528, 89.1271, 58.7649



68.3341, 87.4651, 51.7340



64.8131, 85.4248, 61.7414



18.4741, 20.5303, 19.1334



21.8367, 38.9953, 6.3759



2.2463, 3.8588, 0.6264

Inverse Universe

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



66.5555, 57.6710, 102.2315



62.2907, 51.6033, 101.2851



75.4929, 62.3868, 97.7538



18.0332, 17.9089, 22.7563



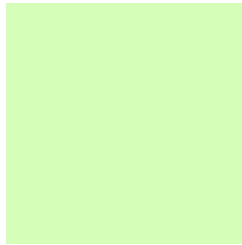
16.2590, 7.2923, 49.9852



1.7071, 0.7739, 4.8727

Previews

White Background



This preview shows how the XYZ color 71.8523, 89.1268, 58.7636 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 71.8523, 89.1268, 58.7636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

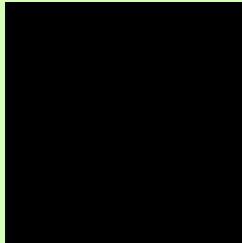
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

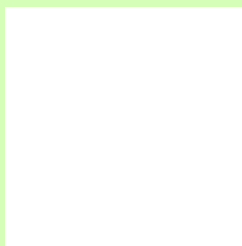
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8523, 89.1268, 58.7636

Background



This preview shows how black text looks on a background with the XYZ color 71.8523, 89.1268, 58.7636.



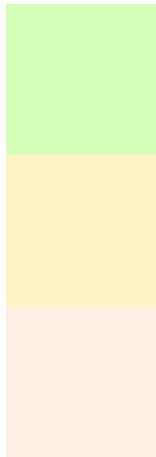
This preview shows how white text looks on a background with the XYZ color 71.8523, 89.1268,

58.7636.

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

71.8523, 89.1268, 58.7636

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

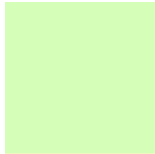
86.1101, 88.5944, 85.9607



Tritanopia

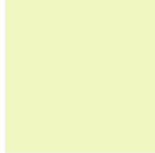
83.3793, 88.4770, 107.2909

Trichromacy



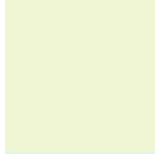
Original Color

71.8523, 89.1268, 58.7636



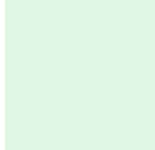
Protanomaly

78.8216, 88.8970, 63.4566



Deuteranomaly

80.4713, 88.5835, 75.1444



Tritanomaly

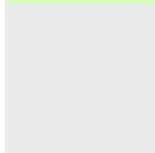
78.4550, 88.1862, 87.0154

Monochromacy



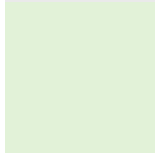
Original Color

71.8523, 89.1268, 58.7636



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5108, 84.6309, 77.3213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8523, 89.1268, 58.7636 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(213, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 184)  
}
```

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(213, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 71.8523, 89.1268, 58.7636 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(213, 255, 184) }
```


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

```
.border{ border-color:rgb(213, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8523, 89.1268, 58.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 184) }
```

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

```
.background{ background-color: rgb(213,  
255, 184) }
```

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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