

Converting Colors

XYZ(117.7196, 174.7657,
72.4901)

Have a look what the booklet for
XYZ(117.7196, 174.7657, 72.4901)
contains.

XYZ(75.9858, 91.2698, 58.4117)	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(75.9858, 91.2698,
58.4117)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFB7
RGB	227, 255, 183
RGB Percent	89%, 100%, 72%
CMY	0.1098, 0.0000, 0.2823
CMYK	0.11, 0.00, 0.28, 0.00
HSL	83°, 100%, 86%
HSV	83°, 28%, 100%
XYZ	75.9858, 91.2698, 58.4117
YIQ	238.4200, 6.4240, -28.3280

Conversions

Conversions Part 2

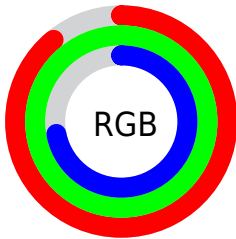
Format	Color
RYB	183, 255, 211
Decimal	14942135
CIELab	96.52, -20.95, 31.49
CIELCh	97, 37.825, 123.634
Yxy	91.2698, 0.3367, 0.4044
Android (android.graphics.Color)	4293132215 (0xFFE3FFB7)
YUV	238.4200, -27.3221, -10.0153
Hunter-Lab	95.5352, -25.2132, 30.6238

Details

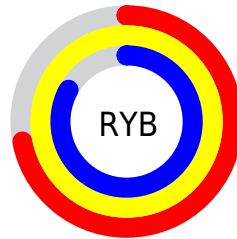
The XYZ color **75.9858, 91.2698, 58.4117** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8485, 54.9371, 101.9519**, and the grayscale version is **81.7946, 86.0543, 93.7132**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **40.9511, 50.6311, 28.3833** is the 20% darker color. If you saturate the color by 10%, you get **70.5290, 88.7361, 45.5341**, and if you desaturate by 10%, it is **82.1046, 94.0891, 73.8328**.

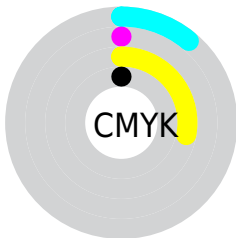
Distribution



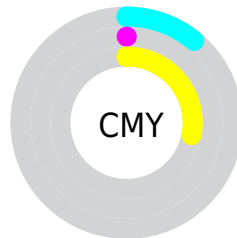
- Red (89%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (83%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9858, 91.2698, 58.4117 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 75.9858, 91.2698, 58.4117 by changing the saturation by 10% instead.

75.9858, 91.2698,
58.4117

75.9858, 91.2698,
58.4117

470.2442,
532.1529, 436.3593

56.7179, 69.0343,
41.7228

126.6873,
149.1010, 104.0428

41.0180, 50.7396,
28.5604

158.8516,
185.4654, 133.8222

28.5209, 36.0014,
18.5058

196.0454,
227.3082, 168.8021

18.8612, 24.4353,
11.1405

238.6340,
275.0139, 209.4012

11.6734, 15.6568,
6.0461

286.9829,
328.9669, 256.0379

6.5923, 9.2817,
2.8039

341.4573,

3.2525, 4.9254,

389.5514, 309.1308

0.9954

402.4226,
457.1519, 369.0984

■ 1.2887, 2.2035,
0.0000

■ 0.1747, 0.7219,
0.0000

■ 75.9858, 91.2698,
58.4117

■ 75.9858, 91.2698,
58.4117

■ 70.5290, 88.7361,
45.5341

■ 82.1046, 94.0891,
73.8328

■ 65.7038, 86.4755,
35.0591

■ 88.9109, 97.2047,
91.9200

■ 61.4793, 84.4752,
26.8381

95.0500, 100.0000,
108.9000

■ 57.8205, 82.7210,
20.7043

■ 54.6882, 81.1968,
16.4681

■ 52.0365, 79.8838,
13.9050

■ 49.8033, 78.7568,
12.7060

■ 49.4378, 78.5712,
12.5601

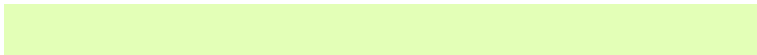
Harmonies

Analogous

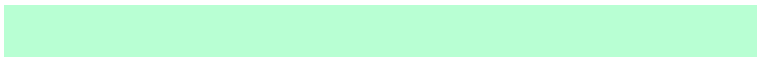
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4691, 91.2698, 51.9219



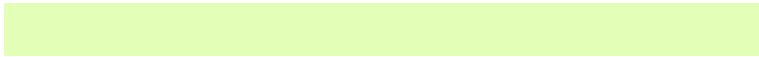
75.9858, 91.2698, 58.4117



69.8050, 91.2698, 75.7332

Triad

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



75.9858, 91.2698, 58.4117



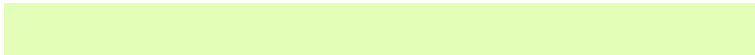
78.0440, 91.2698, 161.0866



108.6225, 91.2698, 95.7382

Complementary

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



75.9858, 91.2698, 58.4117



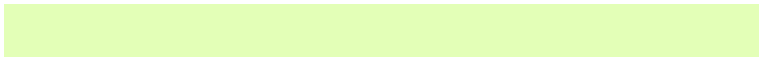
61.8485, 54.9371, 101.9519

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.



106.2348, 91.2698, 127.4919



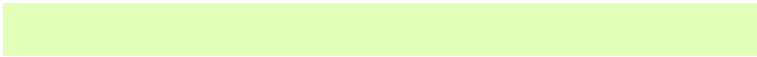
75.9858, 91.2698, 58.4117



88.0421, 91.2698, 169.4085

Square

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



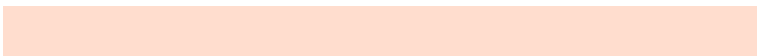
75.9858, 91.2698, 58.4117



70.9239, 91.2698, 135.1758



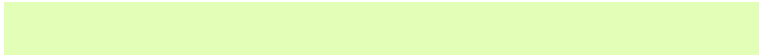
98.4839, 91.2698, 156.0558



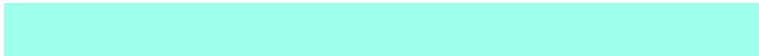
104.7691, 91.2698, 70.5328

Rectangle

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



75.9858, 91.2698, 58.4117



68.1008, 91.2698, 93.0705



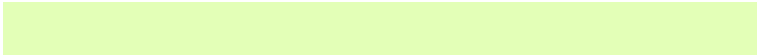
98.4839, 91.2698, 156.0558



108.5246, 91.2698, 105.9627

Sweetspot

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



75.9862, 91.2700, 58.4130



89.0789, 97.2813, 92.3768



72.9829, 71.0698, 54.6723



18.8372, 20.7175, 19.1504



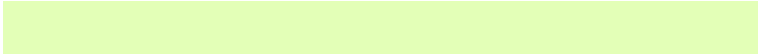
0.0000, 0.0000, 0.0000



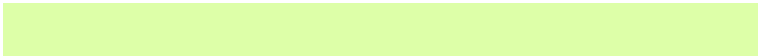
20.3446, 21.4041, 23.3091

Same Dimension

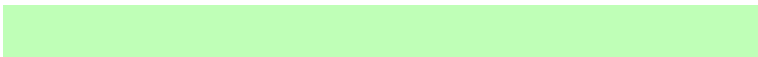
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9862, 91.2700, 58.4130



72.7609, 89.7750, 50.6859



65.8946, 86.0676, 57.9407



18.8372, 20.7175, 19.1504



26.0046, 41.1439, 6.5710



2.6544, 4.0692, 0.6455

Inverse Universe

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



61.8485, 54.9371, 101.9519



56.4698, 47.8951, 100.8761



73.2009, 60.7895, 102.4832



17.6710, 17.7222, 22.7393



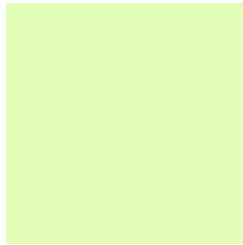
12.2846, 5.2434, 49.7992



1.3141, 0.5714, 4.8543

Previews

White Background



This preview shows how the XYZ color 75.9858, 91.2698, 58.4117 looks on a white background.

Color Contrast Check

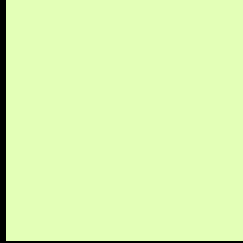
Large Text (above 18pt) WCAG AA × Fail

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 75.9858, 91.2698, 58.4117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

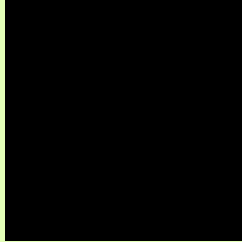
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

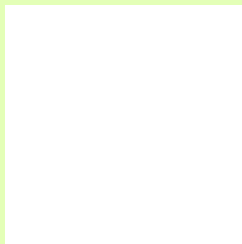
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9858, 91.2698, 58.4117

Background



This preview shows how black text looks on a background with the XYZ color 75.9858, 91.2698, 58.4117.

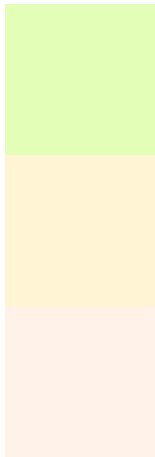


This preview shows how white text looks on a background with the XYZ color 75.9858, 91.2698,

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

75.9858, 91.2698, 58.4117

Protanopia

85.3486, 90.6645, 74.6297

Deuteranopia

87.7001, 90.6475, 89.9652



Tritanopia

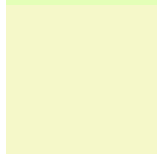
86.9780, 91.2256, 107.6318

Trichromacy



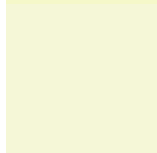
Original Color

75.9858, 91.2698, 58.4117



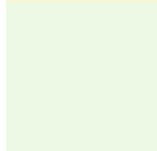
Protanomaly

81.7662, 90.7643, 68.4681



Deuteranomaly

83.1827, 90.8403, 77.4397



Tritanomaly

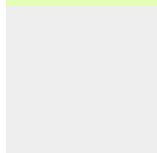
82.6106, 91.2414, 87.3860

Monochromacy



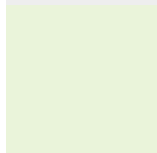
Original Color

75.9858, 91.2698, 58.4117



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9373, 87.2557, 79.0113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9858, 91.2698, 58.4117 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(227, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 183)  
}
```

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(227, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 75.9858, 91.2698, 58.4117 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(227, 255, 183) }
```


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

```
.border{ border-color:rgb(227, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9858, 91.2698, 58.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 183) }
```

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

```
.background{ background-color: rgb(227,  
255, 183) }
```

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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