

Converting Colors

XYZ(80.2775, 100.0000,
59.1748)

Have a look what the booklet for
XYZ(80.2775, 100.0000, 59.1748)
contains.

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Color

**XYZ(75.8821, 91.2283,
57.8654)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFB6
RGB	227, 255, 182
RGB Percent	89%, 100%, 71%
CMY	0.1098, 0.0000, 0.2863
CMYK	0.11, 0.00, 0.29, 0.00
HSL	83°, 100%, 86%
HSV	83°, 29%, 100%
XYZ	75.8821, 91.2283, 57.8654
YIQ	238.3060, 6.7450, -28.6390

Conversions

Conversions Part 2

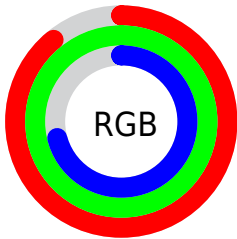
Format	Color
RYB	182, 255, 210
Decimal	14942134
CIELab	96.50, -21.09, 31.97
CIELCh	97, 38.301, 123.409
Yxy	91.2283, 0.3373, 0.4055
Android (android.graphics.Color)	4293132214 (0xFFE3FFB6)
YUV	238.3060, -27.7589, -9.9154
Hunter-Lab	95.5135, -25.3367, 30.9395

Details

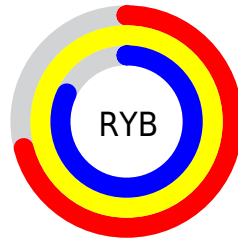
The XYZ color **75.8821, 91.2283, 57.8654** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3573, 54.3788, 101.8700**, and the grayscale version is **81.7093, 85.9645, 93.6153**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **40.8850, 50.6046, 28.0349** is the 20% darker color. If you saturate the color by 10%, you get **70.4841, 88.7228, 45.0863**, and if you desaturate by 10%, it is **81.9362, 94.0166, 73.1826**.

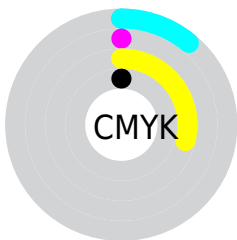
Distribution



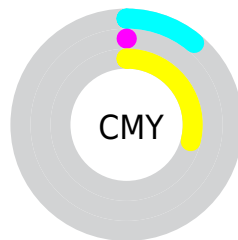
- Red (89%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (82%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8821, 91.2283, 57.8654 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 75.8821, 91.2283, 57.8654 by changing the saturation by 10% instead.

75.8821, 91.2283,
57.8654

75.8821, 91.2283,
57.8654

469.8946,
532.0184, 434.2684

56.6326, 68.9998,
41.2865

126.5415,
149.0434, 103.2397

40.9493, 50.7116,
28.2216

158.6820,
185.3988, 132.8721

28.4670, 35.9791,
18.2523

195.8503,
227.2320, 167.6927

18.8202, 24.4181,
10.9600

238.4116,
274.9274, 208.1201

11.6437, 15.6440,
5.9261

286.7313,
328.8693, 254.5729

6.5720, 9.2726,
2.7321

341.1748,

3.2398, 4.9194,

389.4422, 307.4695

0.9595

402.1075,
457.0304, 367.2285

■ 1.2818, 2.2001,
0.0000

■ 0.1696, 0.7200,
0.0000

■ 75.8821, 91.2283,
57.8654

■ 75.8821, 91.2283,
57.8654

■ 70.4841, 88.7228,
45.0863

■ 81.9362, 94.0166,
73.1826

■ 65.7119, 86.4875,
34.7040

■ 88.6720, 97.0980,
91.1609

■ 61.5344, 84.5096,
26.5692

95.0500, 100.0000,
108.9000

■ 57.9169, 82.7750,
20.5145

■ 54.8199, 81.2675,
16.3491

■ 52.1975, 79.9682,
13.8469

■ 49.9851, 78.8511,
12.6859

■ 49.7020, 78.7073,
12.5725

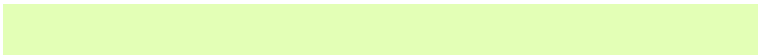
Harmonies

Analogous

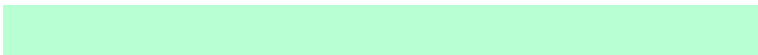
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4939, 91.2283, 51.4123



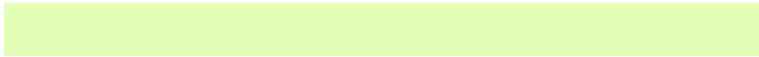
75.8821, 91.2283, 57.8654



69.6046, 91.2283, 75.2532

Triad

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



75.8821, 91.2283, 57.8654



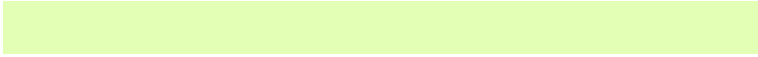
77.8345, 91.2283, 161.7858



108.8783, 91.2283, 95.8744

Complementary

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



75.8821, 91.2283, 57.8654



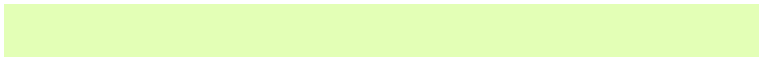
61.3573, 54.3788, 101.8700

Split Complementary

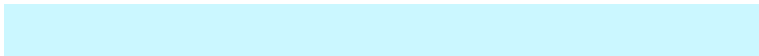
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.4101, 91.2283, 128.0668



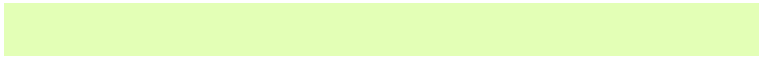
75.8821, 91.2283, 57.8654



87.9371, 91.2283, 170.4063

Square

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



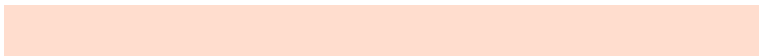
75.8821, 91.2283, 57.8654



70.6651, 91.2283, 135.3802



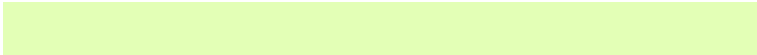
98.5213, 91.2283, 156.9907



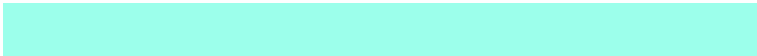
105.0159, 91.2283, 70.3287

Rectangle

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



75.8821, 91.2283, 57.8654



67.8596, 91.2283, 92.7301



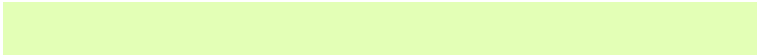
98.5213, 91.2283, 156.9907



108.7626, 91.2283, 106.2403

Sweetspot

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



75.8825, 91.2285, 57.8667



88.4078, 96.9775, 90.4401



72.7266, 70.7232, 54.0751



18.7047, 20.6576, 18.7648



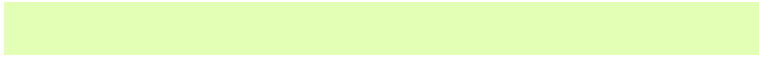
0.0000, 0.0000, 0.0000



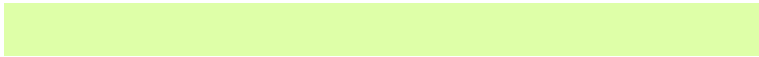
20.3446, 21.4041, 23.3091

Same Dimension

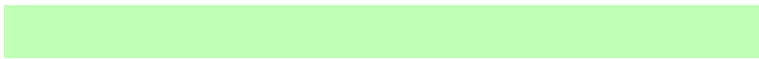
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8825, 91.2285, 57.8667



72.9020, 89.8477, 50.6925



65.5688, 85.9116, 57.3841



18.8469, 20.7225, 19.1508



26.1421, 41.2148, 6.5774



2.6674, 4.0758, 0.6461

Inverse Universe

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



61.3573, 54.3788, 101.8700



56.3450, 47.8307, 100.8703



72.9544, 60.3573, 102.4128



17.6617, 17.7173, 22.7389



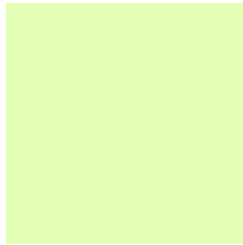
12.2063, 5.2030, 49.7955



1.3058, 0.5671, 4.8539

Previews

White Background



This preview shows how the XYZ color 75.8821, 91.2283, 57.8654 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 75.8821, 91.2283, 57.8654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

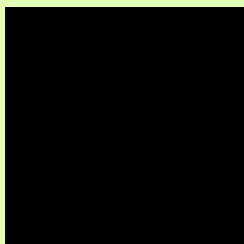
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

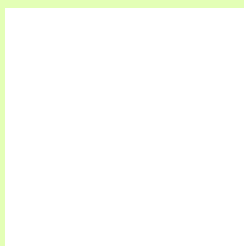
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8821, 91.2283, 57.8654

Background



This preview shows how black text looks on a background with the XYZ color 75.8821, 91.2283, 57.8654.



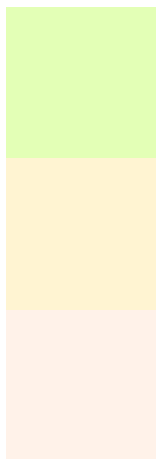
This preview shows how white text looks on a background with the XYZ color 75.8821, 91.2283,

57.8654.

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

75.8821, 91.2283, 57.8654

Protanopia

85.2235, 90.6145, 73.9714

Deuteranopia

87.7001, 90.6475, 89.9652



Tritanopia

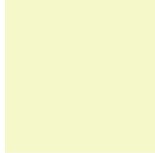
86.9780, 91.2256, 107.6318

Trichromacy



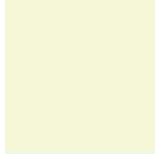
Original Color

75.8821, 91.2283, 57.8654



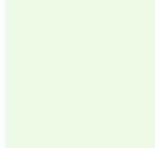
Protanomaly

81.6489, 90.7174, 67.8504



Deuteranomaly

83.0546, 90.7890, 76.7649



Tritanomaly

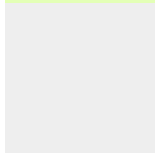
82.4713, 91.1857, 86.6527

Monochromacy



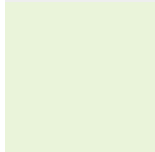
Original Color

75.8821, 91.2283, 57.8654



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 75.8821, 91.2283, 57.8654 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 75.8821, 91.2283, 57.8654 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, 182) }
```


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

```
.border{ border-color:rgb(227, 255, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8821, 91.2283, 57.8654 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, 182) }
```

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

```
.background{ background-color: rgb(227,  
255, 182) }
```

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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