

Converting Colors

XYZ(81.6357, 100.0000,
58.9883)

Have a look what the booklet for
XYZ(81.6357, 100.0000, 58.9883)
contains.

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Color

**XYZ(77.8078, 92.2210,
57.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFB6
RGB	233, 255, 182
RGB Percent	91%, 100%, 71%
CMY	0.0863, 0.0000, 0.2863
CMYK	0.09, 0.00, 0.29, 0.00
HSL	78°, 100%, 86%
HSV	78°, 29%, 100%
XYZ	77.8078, 92.2210, 57.9555
YIQ	240.1000, 10.3210, -27.3670

Conversions

Conversions Part 2

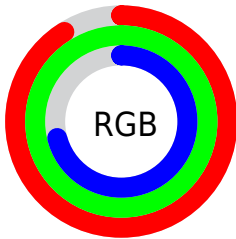
Format	Color
RYB	182, 255, 204
Decimal	15335350
CIELab	96.91, -18.95, 32.59
CIELCh	97, 37.698, 120.178
Yxy	92.2210, 0.3413, 0.4045
Android (android.graphics.Color)	4293525430 (0xFFE9FFB6)
YUV	240.1000, -28.6433, -6.2267
Hunter-Lab	96.0318, -23.4296, 31.4405

Details

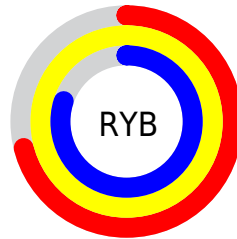
The XYZ color **77.8078, 92.2210, 57.9555** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.6808, 53.5145, 101.7916**, and the grayscale version is **83.1136, 87.4420, 95.2244**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **42.2218, 51.2938, 28.0974** is the 20% darker color. If you saturate the color by 10%, you get **72.9533, 89.9957, 45.2019**, and if you desaturate by 10%, it is **83.2524, 94.6951, 73.2442**.

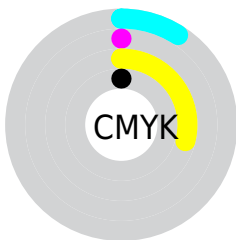
Distribution



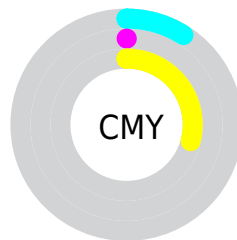
- Red (91%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (80%)



- Cyan (9%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8078, 92.2210, 57.9555 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 77.8078, 92.2210, 57.9555 by changing the saturation by 10% instead.


 77.8078, 92.2210,
57.9555

 77.8078, 92.2210,
57.9555


476.3637,
535.2295, 434.6137

 58.2183, 69.8242,
41.3584


 129.2459,
150.4197, 103.3722

 42.2281, 51.3832,
28.2774


161.8253,
186.9903, 133.0289

 29.4719, 36.5137,
18.2940

199.4654,
229.0544, 167.8758

 19.5841, 24.8312,
10.9897

242.5316,
276.9962, 208.3316

 12.1996, 15.9513,
5.9458

291.3891,
331.2003, 254.8148

 6.9529, 9.4897,
2.7439

346.4034,

 3.4788, 5.0620,

392.0509, 307.7438

0.9654

407.9398,
459.9325, 367.5373

■ 1.4117, 2.2837,
0.0000

■ 0.2645, 0.7650,
0.0000

■ 77.8078, 92.2210,
57.9555

■ 77.8078, 92.2210,
57.9555

■ 72.9533, 89.9957,
45.2019

■ 83.2524, 94.6951,
73.2442

■ 68.6601, 88.0073,
34.8419

■ 89.3113, 97.4276,
91.1908

■ 64.8987, 86.2440,
26.7266

95.0500, 100.0000,
108.9000

■ 61.6359, 84.6922,
20.6886

■ 58.8340, 83.3368,
16.5369

■ 56.4487, 82.1598,
14.0458

■ 54.4173, 81.1360,
12.8933

■ 54.1547, 81.0028,
12.7809

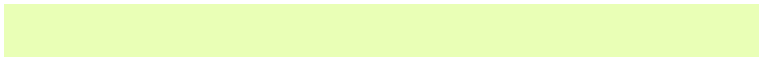
Harmonies

Analogous

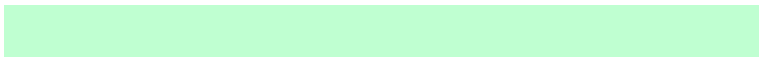
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5901, 92.2210, 52.6460



77.8078, 92.2210, 57.9555



71.1429, 92.2210, 74.1068

Triad

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



77.8078, 92.2210, 57.9555



77.9089, 92.2210, 160.0009



109.6403, 92.2210, 100.2321

Complementary

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



77.8078, 92.2210, 57.9555



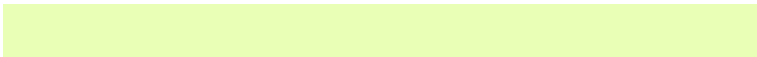
59.6808, 53.5145, 101.7916

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.



106.5387, 92.2210, 132.3068



77.8078, 92.2210, 57.9555



87.7165, 92.2210, 170.7724

Square

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



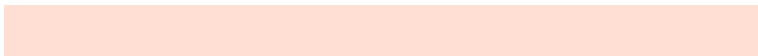
77.8078, 92.2210, 57.9555



71.1979, 92.2210, 132.6838



98.2961, 92.2210, 159.7542



106.4668, 92.2210, 73.8511

Rectangle

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



77.8078, 92.2210, 57.9555



69.0761, 92.2210, 90.7867



98.2961, 92.2210, 159.7542



109.2942, 92.2210, 110.6967

Sweetspot

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



77.8083, 92.2213, 57.9568



89.0736, 97.3208, 90.4713



71.2533, 67.7765, 53.5840



18.8691, 20.7423, 18.7725



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

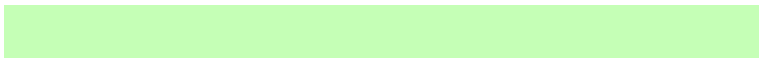
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8083, 92.2213, 57.9568



75.1279, 90.9952, 50.7967



67.1256, 86.7141, 57.4569



18.9970, 20.7999, 19.1579



28.4553, 42.4073, 6.6857



2.8813, 4.1861, 0.6561

Inverse Universe

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



59.6808, 53.5145, 101.7916



54.4664, 46.8623, 100.7824



70.8497, 59.2723, 102.3143



17.5176, 17.6431, 22.7321



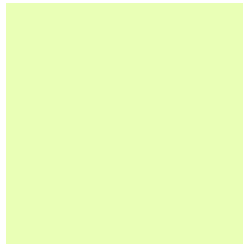
11.1554, 4.6613, 49.7464



1.1910, 0.5079, 4.8485

Previews

White Background



This preview shows how the XYZ color 77.8078, 92.2210, 57.9555 looks on a white background.

Color Contrast Check

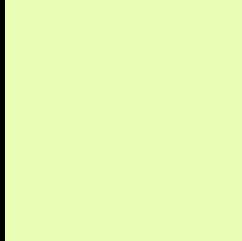
Large Text (above 18pt) WCAG AA × Fail

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 77.8078, 92.2210, 57.9555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

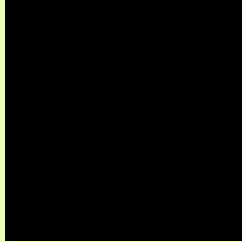
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

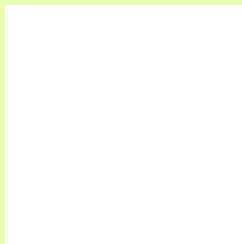
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8078, 92.2210, 57.9555

Background



This preview shows how black text looks on a background with the XYZ color 77.8078, 92.2210, 57.9555.



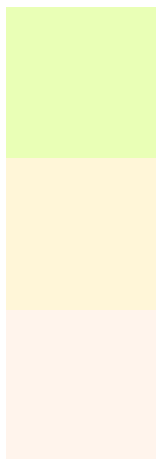
This preview shows how white text looks on a background with the XYZ color 77.8078, 92.2210,

57.9555.

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

77.8078, 92.2210, 57.9555

Protanopia

86.5904, 92.1294, 78.1847

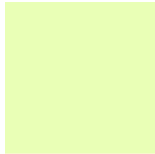
Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

88.3586, 91.9373, 107.6964

Trichromacy



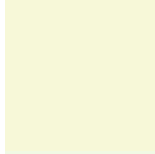
Original Color

77.8078, 92.2210, 57.9555



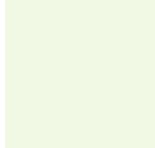
Protanomaly

83.1325, 91.8852, 70.4808



Deuteranomaly

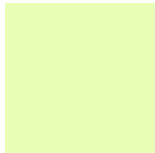
84.3198, 91.8668, 78.2537



Tritanomaly

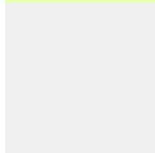
84.1549, 92.0536, 86.7315

Monochromacy



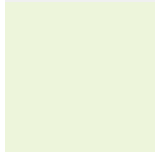
Original Color

77.8078, 92.2210, 57.9555



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.3636, 88.4238, 79.8497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8078, 92.2210, 57.9555 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(233, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 77.8078, 92.2210, 57.9555 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(233, 255, 182) }
```


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

```
.border{ border-color:rgb(233, 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(233, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8078, 92.2210, 57.9555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 182) }
```

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

```
.background{ background-color: rgb(233,  
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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