

Converting Colors

XYZ(100.5346, 137.3375,
62.8758)

Have a look what the booklet for
XYZ(100.5346, 137.3375, 62.8758)
contains.

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Color

**XYZ(77.9568, 92.3565,
55.3128)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFB1
RGB	235, 255, 177
RGB Percent	92%, 100%, 69%
CMY	0.0784, 0.0000, 0.3059
CMYK	0.08, 0.00, 0.31, 0.00
HSL	75°, 100%, 85%
HSV	75°, 31%, 100%
XYZ	77.9568, 92.3565, 55.3128
YIQ	240.1280, 13.1180, -28.4980

Conversions

Conversions Part 2

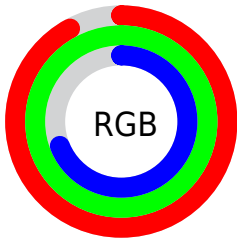
Format	Color
RYB	177, 255, 197
Decimal	15466417
CIELab	96.97, -18.89, 35.19
CIELCh	97, 39.936, 118.230
Yxy	92.3565, 0.3455, 0.4093
Android (android.graphics.Color)	4293656497 (0xFFEBFFB1)
YUV	240.1280, -31.1221, -4.4973
Hunter-Lab	96.1023, -23.3824, 33.1465

Details

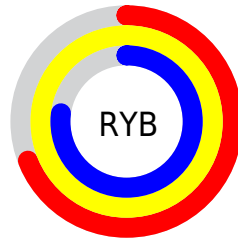
The XYZ color **77.9568, 92.3565, 55.3128** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **56.7991, 50.5358, 101.3685**, and the grayscale version is **83.1528, 87.4832, 95.2693**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **42.1923, 51.3084, 26.7485** is the 20% darker color. If you saturate the color by 10%, you get **73.5285, 90.3404, 43.0547**, and if you desaturate by 10%, it is **82.9402, 94.6039, 70.0785**.

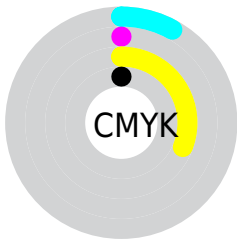
Distribution



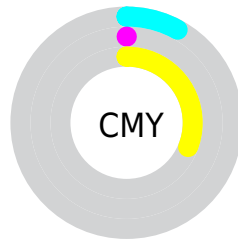
- Red (92%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (77%)



- Cyan (8%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9568, 92.3565, 55.3128 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 77.9568, 92.3565, 55.3128 by changing the saturation by 10% instead.


 77.9568, 92.3565,
55.3128

 77.9568, 92.3565,
55.3128


476.8622,
535.6670, 424.4119

 58.3412, 69.9368,
39.2519


 129.4549,
150.6074, 99.4748

 42.3273, 51.4750,
26.6464


162.0681,
187.2073, 128.4131

 29.5499, 36.5868,
17.0778


199.7445,
229.3028, 162.4809

 19.6436, 24.8877,
10.1274

242.8494,
277.2782, 202.0968

 12.2430, 15.9934,
5.3768

291.7483,
331.5180, 247.6793

 6.9827, 9.5195,
2.4074

346.8065,

 3.4975, 5.0815,

392.4064, 299.6469

0.7905

408.3893,
460.3280, 358.4183

■ 1.4220, 2.2952,
0.0000

■ 0.2718, 0.7712,
0.0000

■ 77.9568, 92.3565,
55.3128

■ 77.9568, 92.3565,
55.3128

■ 73.5285, 90.3404,
43.0547

■ 82.9402, 94.6039,
70.0785

■ 69.6269, 88.5440,
33.1605

■ 88.5028, 97.0922,
87.4767

■ 66.2222, 86.9553,
25.4783

94.6687, 99.8312,
107.6285

■ 63.2812, 85.5610,
19.8367

95.0500, 100.0000,
108.9000

■ 60.7656, 84.3456,
16.0393

■ 58.6300, 83.2908,
13.8509

■ 56.8992, 82.4177,
12.9093

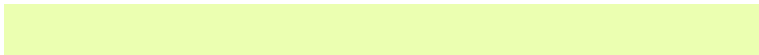
Harmonies

Analogous

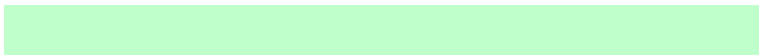
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4511, 92.3565, 50.5378



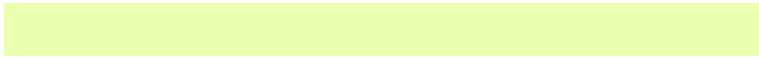
77.9568, 92.3565, 55.3128



70.6699, 92.3565, 71.3808

Triad

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



77.9568, 92.3565, 55.3128



76.8938, 92.3565, 162.8504



111.1891, 92.3565, 102.4837

Complementary

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



77.9568, 92.3565, 55.3128



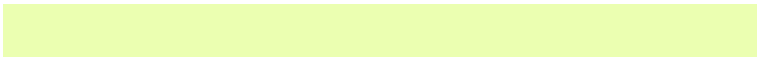
56.7991, 50.5358, 101.3685

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.



107.4551, 92.3565, 136.7726



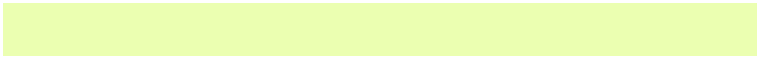
77.9568, 92.3565, 55.3128



87.1165, 92.3565, 175.9265

Square

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



77.9568, 92.3565, 55.3128



70.0940, 92.3565, 132.7494



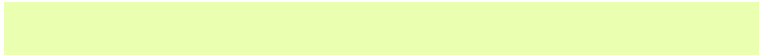
98.4001, 92.3565, 165.5001



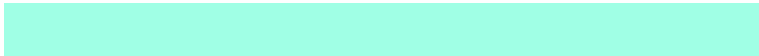
108.2205, 92.3565, 74.0473

Rectangle

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



77.9568, 92.3565, 55.3128



68.2895, 92.3565, 88.4625



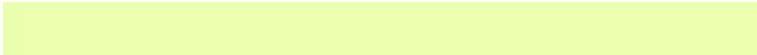
98.4001, 92.3565, 165.5001



110.6702, 92.3565, 113.7141

Sweetspot

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



77.9572, 92.3567, 55.3141



89.4407, 97.5100, 90.4885



69.0294, 64.1411, 50.3385



18.9599, 20.7891, 18.7768



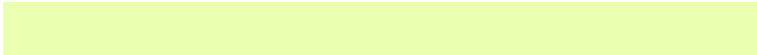
0.0000, 0.0000, 0.0000



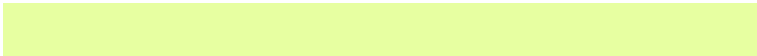
20.3446, 21.4041, 23.3091

Same Dimension

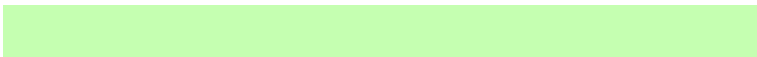
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9572, 92.3567, 55.3141



75.0551, 91.0378, 47.1728



66.5918, 86.4976, 54.7822



19.0798, 20.8426, 19.1617



29.8770, 43.1402, 6.7522



3.0103, 4.2526, 0.6622

Inverse Universe

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



56.7991, 50.5358, 101.3685



50.7034, 42.8823, 100.2125



68.1991, 56.4128, 101.9020



17.4395, 17.6028, 22.7285



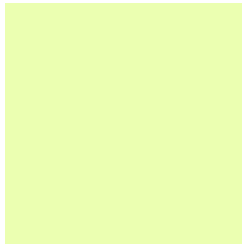
10.7000, 4.4265, 49.7250



1.1380, 0.4806, 4.8461

Previews

White Background



This preview shows how the XYZ color 77.9568, 92.3565, 55.3128 looks on a white background.

Color Contrast Check

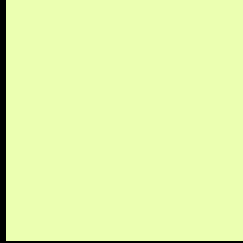
Large Text (above 18pt) WCAG AA × Fail

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 77.9568, 92.3565, 55.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

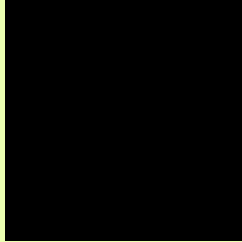
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

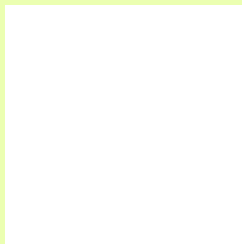
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9568, 92.3565, 55.3128

Background



This preview shows how black text looks on a background with the XYZ color 77.9568, 92.3565, 55.3128.

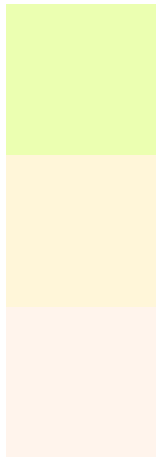


This preview shows how white text looks on a background with the XYZ color 77.9568, 92.3565,

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

77.9568, 92.3565, 55.3128

Protanopia

86.7202, 92.1813, 78.8678

Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

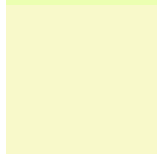
88.7084, 92.1176, 107.7128

Trichromacy



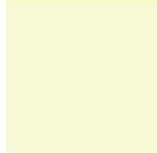
Original Color

77.9568, 92.3565, 55.3128



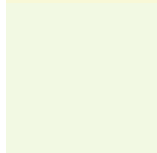
Protanomaly

83.2478, 91.9721, 69.2419



Deuteranomaly

84.5445, 91.9976, 77.5913



Tritanomaly

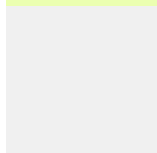
84.3588, 92.1747, 86.0184

Monochromacy



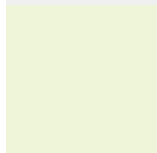
Original Color

77.9568, 92.3565, 55.3128



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.4367, 88.4917, 78.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9568, 92.3565, 55.3128 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(235, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 177)  
}
```

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(235, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 77.9568, 92.3565, 55.3128 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(235, 255, 177) }
```


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

```
.border{ border-color:rgb(235, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9568, 92.3565, 55.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 177) }
```

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

```
.background{ background-color: rgb(235,  
255, 177) }
```

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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