

Converting Colors

XYZ(75.8382, 91.2565, 55.5689)

Have a look what the booklet for
XYZ(75.8382, 91.2565, 55.5689)
contains.

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Color

**XYZ(75.7908, 91.2283,
55.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFB2
RGB	228, 255, 178
RGB Percent	89%, 100%, 70%
CMY	0.1059, 0.0000, 0.3020
CMYK	0.11, 0.00, 0.30, 0.00
HSL	81°, 100%, 85%
HSV	81°, 30%, 100%
XYZ	75.7908, 91.2283, 55.7337
YIQ	238.1490, 8.6250, -29.6710

Conversions

Conversions Part 2

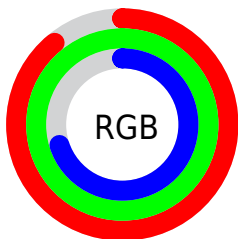
Format	Color
RYB	178, 255, 205
Decimal	15007666
CIELab	96.50, -21.27, 33.99
CIELCh	97, 40.096, 122.046
Yxy	91.2283, 0.3402, 0.4095
Android (android.graphics.Color)	4293197746 (0xFFE4FFB2)
YUV	238.1490, -29.6535, -8.9007
Hunter-Lab	95.5135, -25.5073, 32.2628

Details

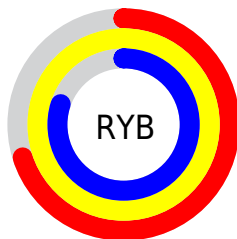
The XYZ color **75.7908, 91.2283, 55.7337** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.1482, 52.0412, 101.5352**, and the grayscale version is **81.6006, 85.8502, 93.4908**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **40.9090, 50.6395, 27.0203** is the 20% darker color. If you saturate the color by 10%, you get **70.6999, 88.8727, 43.3499**, and if you desaturate by 10%, it is **81.5053, 93.8504, 70.6335**.

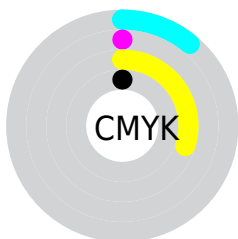
Distribution



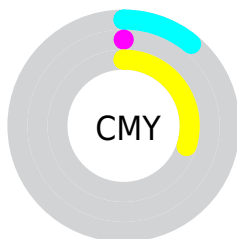
- Red (89%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7908, 91.2283, 55.7337 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 75.7908, 91.2283, 55.7337 by changing the saturation by 10% instead.


 75.7908, 91.2283,
55.7337

 75.7908, 91.2283,
55.7337


469.5867,
532.0184, 426.0472

 56.5574, 68.9998,
39.5869


 126.4131,
149.0434, 100.0970

 40.8888, 50.7116,
26.9053


158.5327,
185.3988, 129.1506

 28.4195, 35.9791,
17.2703


195.6785,
227.2320, 163.3435

 18.7842, 24.4181,
10.2634

238.2157,
274.9274, 203.0944

 11.6175, 15.6440,
5.4661

286.5098,
328.8693, 248.8216

 6.5541, 9.2726,
2.4597

340.9261,

 3.2287, 4.9194,

389.4422, 300.9438

0.8187

401.8299,
457.0304, 359.8795

■ 1.2758, 2.2001,
0.0000

■ 0.1650, 0.7200,
0.0000

■ 75.7908, 91.2283,
55.7337

■ 75.7908, 91.2283,
55.7337

■ 70.6999, 88.8727,
43.3499

■ 81.5053, 93.8504,
70.6335

■ 66.2027, 86.7712,
33.3388

■ 87.8685, 96.7491,
88.1738

■ 62.2683, 84.9113,
25.5490

94.9058, 99.9349,
108.4757

■ 58.8621, 83.2789,
19.8100

95.0500, 100.0000,
108.9000

■ 55.9447, 81.8578,
15.9263

■ 53.4693, 80.6292,
13.6647

■ 51.3987, 79.5821,
12.6519

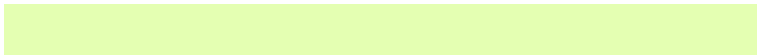
Harmonies

Analogous

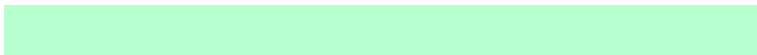
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9442, 91.2283, 49.6140



75.7908, 91.2283, 55.7337



69.0647, 91.2283, 73.1645

Triad

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



75.7908, 91.2283, 55.7337



77.0131, 91.2283, 164.2831



110.0295, 91.2283, 97.1493

Complementary

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



75.7908, 91.2283, 55.7337



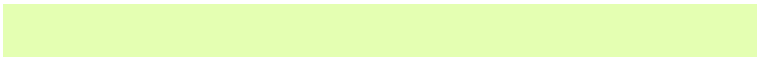
59.1482, 52.0412, 101.5352

Split Complementary

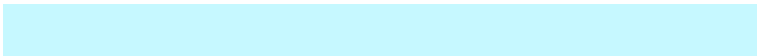
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1300, 91.2283, 131.0956



75.7908, 91.2283, 55.7337



87.4799, 91.2283, 174.4837

Square

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



75.7908, 91.2283, 55.7337



69.7266, 91.2283, 135.7320



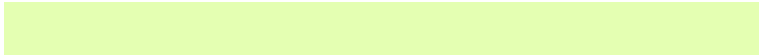
98.6301, 91.2283, 161.2269



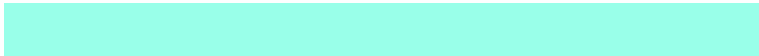
106.2484, 91.2283, 70.1018

Rectangle

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



75.7908, 91.2283, 55.7337



67.1050, 91.2283, 91.0496



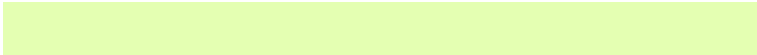
98.6301, 91.2283, 161.2269



109.8032, 91.2283, 108.1023

Sweetspot

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



75.7912, 91.2285, 55.7350



88.6736, 97.1146, 90.4526



71.0959, 68.1139, 51.5209



18.7703, 20.6914, 18.7679



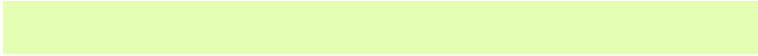
0.0000, 0.0000, 0.0000



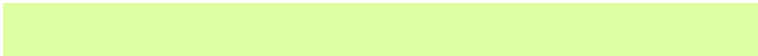
20.3446, 21.4041, 23.3091

Same Dimension

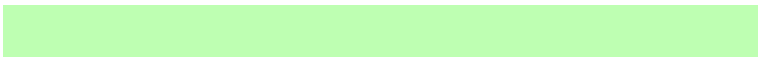
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7912, 91.2285, 55.7350



72.7617, 89.8293, 48.2482



64.9196, 85.6240, 55.2262



18.9068, 20.7534, 19.1536



27.0247, 41.6698, 6.6187



2.7497, 4.1183, 0.6500

Inverse Universe

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



59.1482, 52.0412, 101.5352



53.7893, 45.1396, 100.4855



71.0887, 58.1967, 102.0940



17.6038, 17.6875, 22.7362



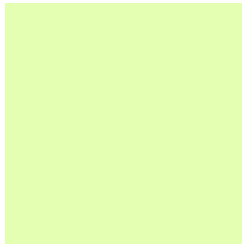
11.7505, 4.9681, 49.7742



1.2570, 0.5420, 4.8516

Previews

White Background



This preview shows how the XYZ color 75.7908, 91.2283, 55.7337 looks on a white background.

Color Contrast Check

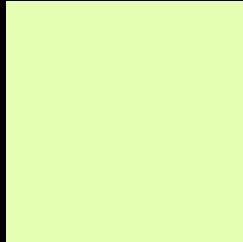
Large Text (above 18pt) WCAG AA × Fail

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 75.7908, 91.2283, 55.7337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

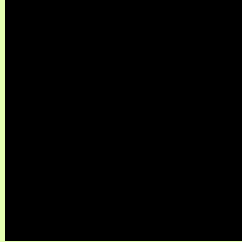
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

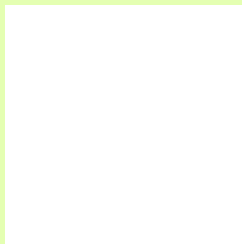
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7908, 91.2283, 55.7337

Background



This preview shows how black text looks on a background with the XYZ color 75.7908, 91.2283, 55.7337.

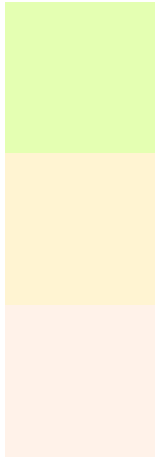


This preview shows how white text looks on a background with the XYZ color 75.7908, 91.2283,

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

75.7908, 91.2283, 55.7337

Protanopia

85.2235, 90.6145, 73.9714

Deuteranopia

87.7001, 90.6475, 89.9652

Tritanopia

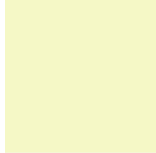
87.0186, 90.7986, 107.5473

Trichromacy



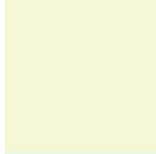
Original Color

75.7908, 91.2283, 55.7337



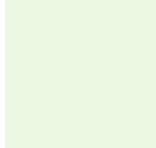
Protanomaly

81.4166, 90.6245, 66.6272



Deuteranomaly

82.9272, 90.7381, 76.0943



Tritanomaly

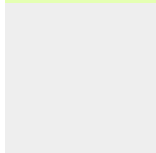
82.3576, 90.6854, 85.8364

Monochromacy



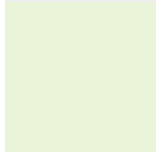
Original Color

75.7908, 91.2283, 55.7337



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.6770, 87.1517, 77.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7908, 91.2283, 55.7337 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(228, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 178)  
}
```

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(228, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 75.7908, 91.2283, 55.7337 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(228, 255, 178) }
```


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

```
.border{ border-color:rgb(228, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 255, 178); box-shadow:4px 4px 4px 4px rgb(228, 255, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7908, 91.2283, 55.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 178) }
```

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

```
.background{ background-color: rgb(228,  
255, 178) }
```

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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