

Converting Colors

XYZ(76.6110, 91.5059, 55.7614)

Have a look what the booklet for
XYZ(76.6110, 91.5059, 55.7614)
contains.

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Color

**XYZ(76.7509, 91.7233,
55.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFB2
RGB	231, 255, 178
RGB Percent	91%, 100%, 70%
CMY	0.0941, 0.0000, 0.3020
CMYK	0.09, 0.00, 0.30, 0.00
HSL	79°, 100%, 85%
HSV	79°, 30%, 100%
XYZ	76.7509, 91.7233, 55.7786
YIQ	239.0460, 10.4130, -29.0350

Conversions

Conversions Part 2

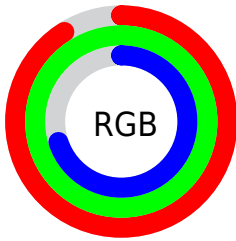
Format	Color
RYB	178, 255, 202
Decimal	15204274
CIELab	96.71, -20.20, 34.29
CIELCh	97, 39.801, 120.500
Yxy	91.7233, 0.3423, 0.4090
Android (android.graphics.Color)	4293394354 (0xFFE7FFB2)
YUV	239.0460, -30.0957, -7.0563
Hunter-Lab	95.7723, -24.5535, 32.5096

Details

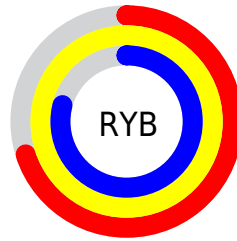
The XYZ color **76.7509, 91.7233, 55.7786** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **58.3285, 51.6186, 101.4969**, and the grayscale version is **82.3005, 86.5865, 94.2927**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **41.5750, 50.9828, 27.0515** is the 20% darker color. If you saturate the color by 10%, you get **71.9163, 89.4998, 43.4068**, and if you desaturate by 10%, it is **82.1788, 94.1976, 70.6650**.

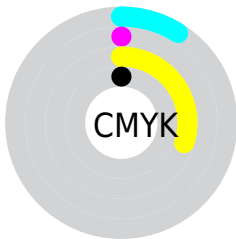
Distribution



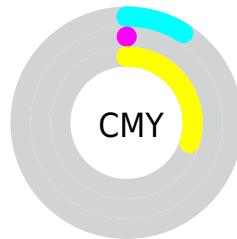
- Red (91%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (79%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7509, 91.7233, 55.7786 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 76.7509, 91.7233, 55.7786 by changing the saturation by 10% instead.

 76.7509, 91.7233,
55.7786

 76.7509, 91.7233,
55.7786


472.8193,
533.6209, 426.2214

 57.3477, 69.4108,
39.6226


 127.7625,
149.7298, 100.1634

 41.5257, 51.0464,
26.9329


160.1016,
186.1927, 129.2292

 28.9195, 36.2455,
17.2908


197.4833,
228.1411, 163.4355

 19.1639, 24.6239,
10.2779

240.2731,
275.9595, 203.2007

 11.8935, 15.7970,
5.4756

288.8362,
330.0323, 248.9433

 6.7429, 9.3807,
2.4654

343.5380,

 3.3467, 4.9903,

390.7439, 301.0820

0.8217

404.7439,
458.4786, 360.0352

■ 1.3397, 2.2416,
0.0000

■ 0.2126, 0.7425,
0.0000

■ 76.7509, 91.7233,
55.7786

■ 76.7509, 91.7233,
55.7786

■ 71.9163, 89.4998,
43.4068

■ 82.1788, 94.1976,
70.6650

■ 67.6459, 87.5152,
33.4063

■ 88.2246, 96.9327,
88.1904

■ 63.9095, 85.7574,
25.6258

94.9129, 99.9386,
108.4759

■ 60.6730, 84.2124,
19.8947

95.0500, 100.0000,
108.9000

■ 57.8979, 82.8648,
16.0177

■ 55.5382, 81.6958,
13.7615

■ 53.5559, 80.6941,
12.7528

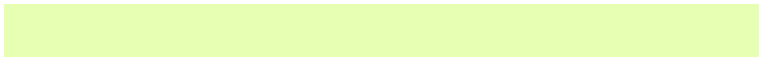
Harmonies

Analogous

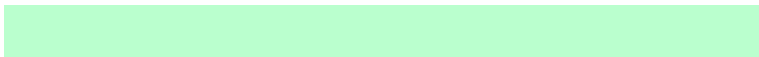
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9933, 91.7233, 50.2172



76.7509, 91.7233, 55.7786



69.8290, 91.7233, 72.5984

Triad

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



76.7509, 91.7233, 55.7786



77.0490, 91.7233, 163.3687



110.4100, 91.7233, 99.3362

Complementary

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



76.7509, 91.7233, 55.7786



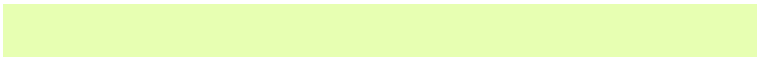
58.3285, 51.6186, 101.4969

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.



107.1911, 91.7233, 133.2390



76.7509, 91.7233, 55.7786



87.3675, 91.7233, 174.6609

Square

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



76.7509, 91.7233, 55.7786



69.9905, 91.7233, 134.3670



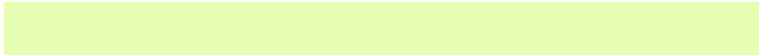
98.5140, 91.7233, 162.6259



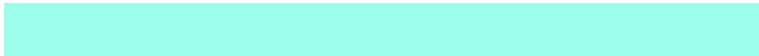
106.9765, 91.7233, 71.8506

Rectangle

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



76.7509, 91.7233, 55.7786



67.7084, 91.7233, 90.0816



98.5140, 91.7233, 162.6259



110.0674, 91.7233, 110.3453

Sweetspot

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



76.7513, 91.7235, 55.7799



88.9897, 97.2775, 90.4673



70.1865, 66.2952, 51.2178



18.8483, 20.7316, 18.7716



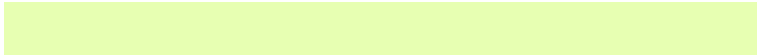
0.0000, 0.0000, 0.0000



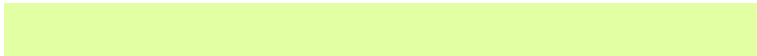
20.3446, 21.4041, 23.3091

Same Dimension

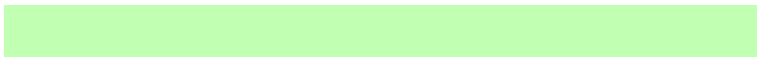
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7513, 91.7235, 55.7799



73.8743, 90.4029, 48.3003



65.8910, 86.1248, 55.2717



18.9781, 20.7901, 19.1570



28.1447, 42.2472, 6.6711



2.8529, 4.1715, 0.6548

Inverse Universe

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



58.3285, 51.6186, 101.4969



52.8737, 44.6676, 100.4427



69.7706, 57.5172, 102.0324



17.5356, 17.6523, 22.7330



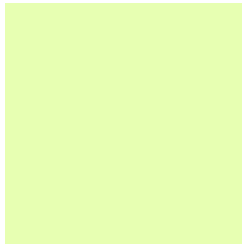
11.2716, 4.7212, 49.7518



1.2042, 0.5147, 4.8492

Previews

White Background



This preview shows how the XYZ color 76.7509, 91.7233, 55.7786 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 76.7509, 91.7233, 55.7786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

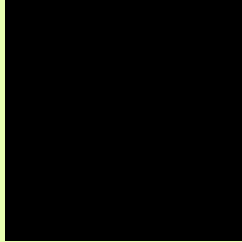
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7509, 91.7233, 55.7786

Background



This preview shows how black text looks on a background with the XYZ color 76.7509, 91.7233, 55.7786.

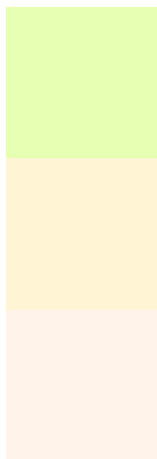


This preview shows how white text looks on a background with the XYZ color 76.7509, 91.7233,

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

76.7509, 91.7233, 55.7786

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

88.1419, 91.3017, 90.8193



Tritanopia

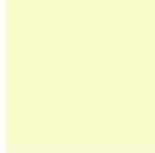
88.0106, 91.7579, 107.6801

Trichromacy



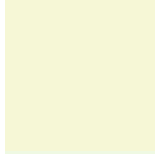
Original Color

76.7509, 91.7233, 55.7786



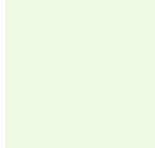
Protanomaly

82.3070, 91.5143, 67.9696



Deuteranomaly

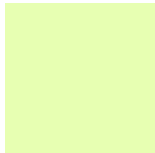
83.4044, 90.9694, 76.7813



Tritanomaly

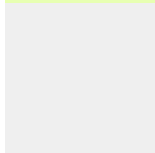
83.3374, 91.6481, 85.9706

Monochromacy



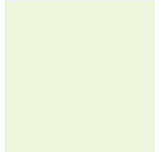
Original Color

76.7509, 91.7233, 55.7786



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7689, 88.1474, 78.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7509, 91.7233, 55.7786 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(231, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 76.7509, 91.7233, 55.7786 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(231, 255, 178) }
```


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

```
.border{ border-color:rgb(231, 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(231, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7509, 91.7233, 55.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 178) }
```

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

```
.background{ background-color: rgb(231,  
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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