

Converting Colors

XYZ(80.3733, 100.0000,
57.6501)

Have a look what the booklet for
XYZ(80.3733, 100.0000, 57.6501)
contains.

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Color

**XYZ(76.2098, 91.4327,
56.2794)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFB3
RGB	229, 255, 179
RGB Percent	90%, 100%, 70%
CMY	0.1020, 0.0000, 0.2980
CMYK	0.10, 0.00, 0.30, 0.00
HSL	81°, 100%, 85%
HSV	81°, 30%, 100%
XYZ	76.2098, 91.4327, 56.2794
YIQ	238.5620, 8.9000, -29.1480

Conversions

Conversions Part 2

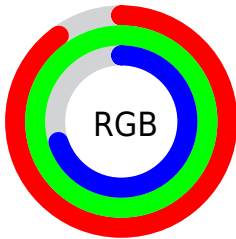
Format	Color
RYB	179, 255, 205
Decimal	15073203
CIELab	96.59, -20.78, 33.61
CIELCh	97, 39.517, 121.732
Yxy	91.4327, 0.3403, 0.4083
Android (android.graphics.Color)	4293263283 (0xFFE5FFB3)
YUV	238.5620, -29.3641, -8.3859
Hunter-Lab	95.6204, -25.0707, 32.0380

Details

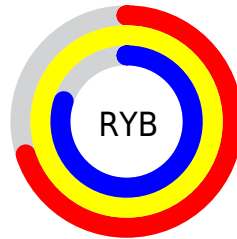
The XYZ color **76.2098, 91.4327, 56.2794** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3479, 52.4406, 101.6018**, and the grayscale version is **81.9190, 86.1851, 93.8556**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **41.1936, 50.7788, 27.3688** is the 20% darker color. If you saturate the color by 10%, you get **71.1504, 89.0954, 43.8021**, and if you desaturate by 10%, it is **81.8869, 94.0332, 71.2775**.

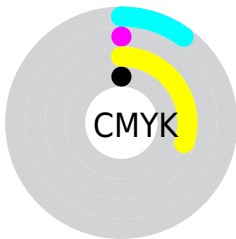
Distribution



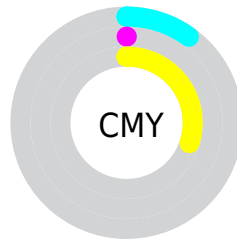
- Red (90%)
- Green (100%)
- Blue (70%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2098, 91.4327, 56.2794 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 76.2098, 91.4327, 56.2794 by changing the saturation by 10% instead.


 76.2098, 91.4327,
56.2794

 76.2098, 91.4327,
56.2794

470.9989,
532.6804, 428.1615

 56.9022, 69.1695,
40.0215

 127.0022,
149.3269, 100.9028

 41.1666, 50.8498,
27.2414

159.2177,
185.7267, 130.1054

 28.6375, 36.0891,
17.5206


196.4666,
227.6075, 164.4600

 18.9497, 24.5030,
10.4405

239.1142,
275.3537, 204.3851

 11.7377, 15.7072,
5.5826

287.5259,
329.3497, 250.2993

 6.6363, 9.3172,
2.5283

342.0670,

 3.2800, 4.9486,

389.9799, 302.6210

0.8551

403.1029,
457.6287, 361.7689

■ 1.3035, 2.2172,
0.0000

■ 0.1858, 0.7293,
0.0000

■ 76.2098, 91.4327,
56.2794

■ 76.2098, 91.4327,
56.2794

■ 71.1504, 89.0954,
43.8021

■ 81.8869, 94.0332,
71.2775

■ 66.6791, 87.0093,
33.7030

■ 88.2067, 96.9073,
88.9207

■ 62.7654, 85.1619,
25.8312

95.0500, 100.0000,
108.9000

■ 59.3749, 83.5392,
20.0169

■ 56.4685, 82.1253,
16.0659

■ 54.0001, 80.9016,
13.7469

■ 51.8972, 79.8387,
12.6896

■ 51.8579, 79.8188,
12.6734

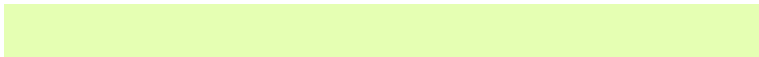
Harmonies

Analogous

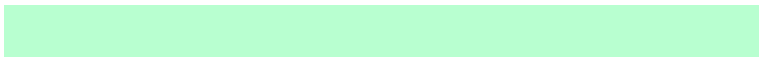
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2641, 91.4327, 50.3093



76.2098, 91.4327, 56.2794



69.5151, 91.4327, 73.4463

Triad

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



76.2098, 91.4327, 56.2794



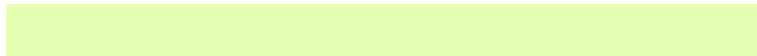
77.2323, 91.4327, 163.2791



109.8982, 91.4327, 97.7288

Complementary

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



76.2098, 91.4327, 56.2794



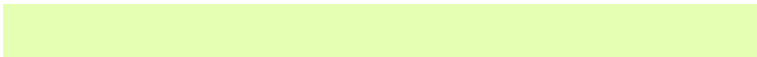
59.3479, 52.4406, 101.6018

Split Complementary

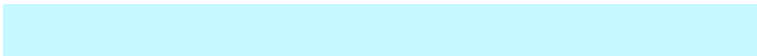
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.9750, 91.4327, 131.2155



76.2098, 91.4327, 56.2794



87.5471, 91.4327, 173.5325

Square

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



76.2098, 91.4327, 56.2794



70.0693, 91.4327, 135.0781



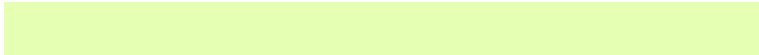
98.5547, 91.4327, 160.7374



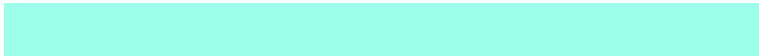
106.2399, 91.4327, 70.8788

Rectangle

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



76.2098, 91.4327, 56.2794



67.5424, 91.4327, 91.0643



98.5547, 91.4327, 160.7374



109.6516, 91.4327, 108.5570

Sweetspot

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



76.2102, 91.4329, 56.2807



88.7428, 97.1502, 90.4558



71.0495, 67.8599, 52.0027



18.7874, 20.7002, 18.7687



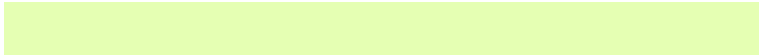
0.0000, 0.0000, 0.0000



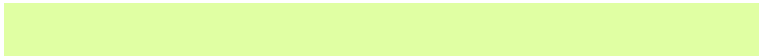
20.3446, 21.4041, 23.3091

Same Dimension

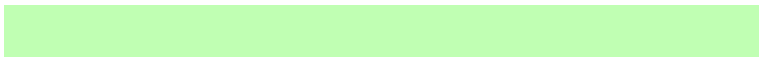
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2102, 91.4329, 56.2807



73.0037, 89.9541, 48.2595



65.5514, 85.9380, 55.7819



18.9224, 20.7614, 19.1544



27.2633, 41.7928, 6.6299



2.7717, 4.1296, 0.6510

Inverse Universe

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



59.3479, 52.4406, 101.6018



53.5866, 45.0351, 100.4761



70.9032, 58.3975, 102.1426



17.5888, 17.6798, 22.7355



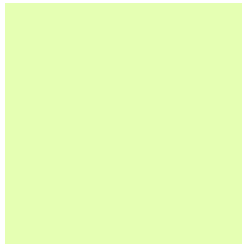
11.6399, 4.9111, 49.7690



1.2450, 0.5357, 4.8511

Previews

White Background



This preview shows how the XYZ color 76.2098, 91.4327, 56.2794 looks on a white background.

Color Contrast Check

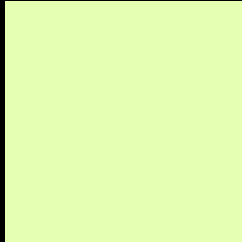
Large Text (above 18pt) WCAG AA × Fail

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 76.2098, 91.4327, 56.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

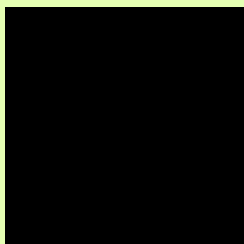
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

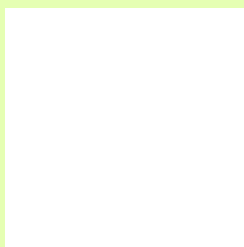
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2098, 91.4327, 56.2794

Background



This preview shows how black text looks on a background with the XYZ color 76.2098, 91.4327, 56.2794.

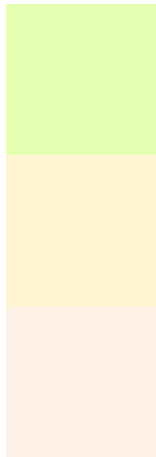


This preview shows how white text looks on a background with the XYZ color 76.2098, 91.4327,

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

76.2098, 91.4327, 56.2794

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

87.9986, 91.2444, 90.0647

Tritanopia

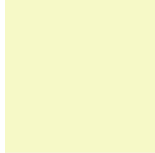
87.3628, 90.9761, 107.5634

Trichromacy



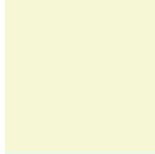
Original Color

76.2098, 91.4327, 56.2794



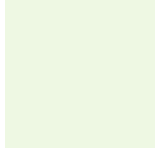
Protanomaly

82.1905, 91.4677, 67.3560



Deuteranomaly

83.2770, 90.9185, 76.1106



Tritanomaly

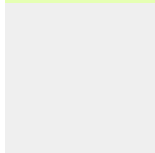
82.6924, 90.8580, 85.8520

Monochromacy



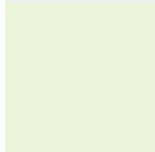
Original Color

76.2098, 91.4327, 56.2794



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.4377, 87.9767, 78.4400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2098, 91.4327, 56.2794 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(229, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 179)  
}
```

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(229, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 76.2098, 91.4327, 56.2794 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(229, 255, 179) }
```


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

```
.border{ border-color:rgb(229, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2098, 91.4327, 56.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 179) }
```

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

```
.background{ background-color: rgb(229,  
255, 179) }
```

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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