

Converting Colors

XYZ(76.5236, 91.5942, 56.3071)

Have a look what the booklet for
XYZ(76.5236, 91.5942, 56.3071)
contains.

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Color

**XYZ(76.5298, 91.5977,
56.2944)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFB3
RGB	230, 255, 179
RGB Percent	90%, 100%, 70%
CMY	0.0980, 0.0000, 0.2980
CMYK	0.10, 0.00, 0.30, 0.00
HSL	80°, 100%, 85%
HSV	80°, 30%, 100%
XYZ	76.5298, 91.5977, 56.2944
YIQ	238.8610, 9.4960, -28.9360

Conversions

Conversions Part 2

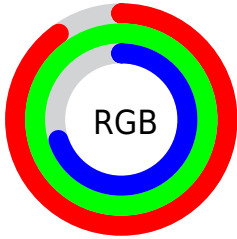
Format	Color
RYB	179, 255, 204
Decimal	15138739
CIELab	96.66, -20.43, 33.71
CIElCh	97, 39.418, 121.211
Yxy	91.5977, 0.3410, 0.4081
Android (android.graphics.Color)	4293328819 (0xFFE6FFB3)
YUV	238.8610, -29.5115, -7.7711
Hunter-Lab	95.7067, -24.7530, 32.1205

Details

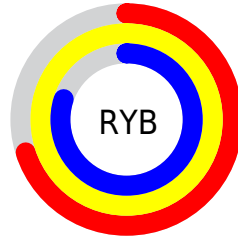
The XYZ color **76.5298, 91.5977, 56.2944** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.0730, 52.2988, 101.5889**, and the grayscale version is **82.1524, 86.4307, 94.1230**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **41.4155, 50.8932, 27.3792** is the 20% darker color. If you saturate the color by 10%, you get **71.5569, 89.3050, 43.8212**, and if you desaturate by 10%, it is **82.1100, 94.1483, 71.2880**.

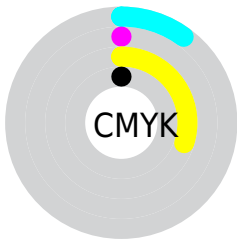
Distribution



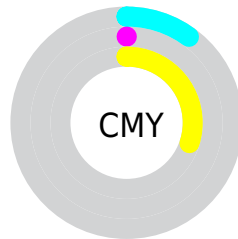
- Red (90%)
- Green (100%)
- Blue (70%)



- 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 76.5298, 91.5977, 56.2944 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 76.5298, 91.5977, 56.2944 by changing the saturation by 10% instead.


 76.5298, 91.5977,
56.2944

 76.5298, 91.5977,
56.2944


472.0759,
533.2145, 428.2195

 57.1656, 69.3065,
40.0334

 127.4519,
149.5557, 100.9250

 41.3789, 50.9614,
27.2506


159.7405,
185.9913, 130.1317

 28.8042, 36.1779,
17.5274


197.0680,
227.9105, 164.4907

 19.0763, 24.5716,
10.4453

239.7998,
275.6977, 204.4206

 11.8298, 15.7582,
5.5858

288.3010,
329.7374, 250.3398

 6.6992, 9.3532,
2.5302

342.9373,

 3.3194, 4.9723,

390.4138, 302.6670

0.8561

404.0738,
458.1113, 361.8208

■ 1.3248, 2.2310,
0.0000

■ 0.2017, 0.7368,
0.0000

■ 76.5298, 91.5977,
56.2944

■ 76.5298, 91.5977,
56.2944

■ 71.5569, 89.3050,
43.8212

■ 82.1100, 94.1483,
71.2880

■ 67.1620, 87.2582,
33.7256

■ 88.3224, 96.9669,
88.9261

■ 63.3148, 85.4451,
25.8569

95.0500, 100.0000,
108.9000

■ 59.9811, 83.8517,
20.0453

■ 57.1222, 82.4623,
16.0965

■ 54.6923, 81.2584,
13.7793

■ 52.6189, 80.2108,
12.7234

■ 52.5801, 80.1911,
12.7072

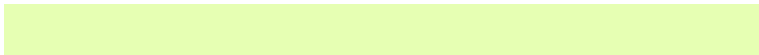
Harmonies

Analogous

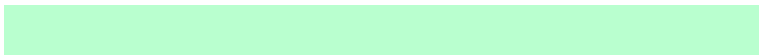
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6134, 91.5977, 50.5113



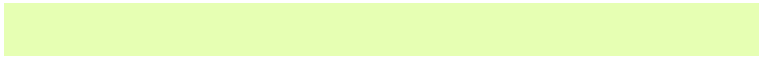
76.5298, 91.5977, 56.2944



69.7700, 91.5977, 73.2571

Triad

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



76.5298, 91.5977, 56.2944



77.2444, 91.5977, 162.9761



110.0250, 91.5977, 98.4562

Complementary

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



76.5298, 91.5977, 56.2944



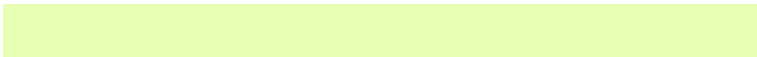
59.0730, 52.2988, 101.5889

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.



106.9956, 91.5977, 131.9273



76.5298, 91.5977, 56.2944



87.5098, 91.5977, 173.5919

Square

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



76.5298, 91.5977, 56.2944



70.1574, 91.5977, 134.6245



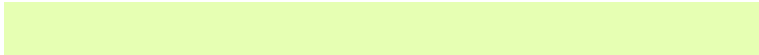
98.5163, 91.5977, 161.2018



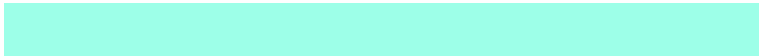
106.4822, 91.5977, 71.4621

Rectangle

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



76.5298, 91.5977, 56.2944



67.7438, 91.5977, 90.7414



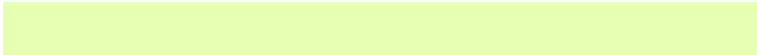
98.5163, 91.5977, 161.2018



109.7397, 91.5977, 109.3026

Sweetspot

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



76.5302, 91.5978, 56.2957



88.8495, 97.2052, 90.4608



70.7490, 67.2589, 51.9025



18.8137, 20.7138, 18.7699



0.0000, 0.0000, 0.0000



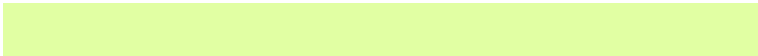
20.3446, 21.4041, 23.3091

Same Dimension

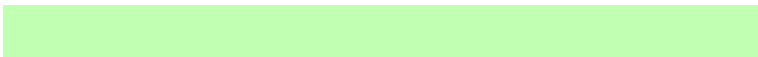
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5302, 91.5978, 56.2957



73.3785, 90.1473, 48.2771



65.8728, 86.1037, 55.7970



18.9465, 20.7738, 19.1555



27.6384, 41.9862, 6.6474



2.8064, 4.1475, 0.6526

Inverse Universe

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



59.0730, 52.2988, 101.5889



53.2766, 44.8753, 100.4616



70.4691, 58.1738, 102.1223



17.5658, 17.6679, 22.7344



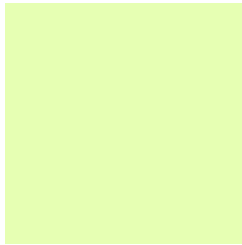
11.4758, 4.8265, 49.7613



1.2270, 0.5264, 4.8502

Previews

White Background



This preview shows how the XYZ color 76.5298, 91.5977, 56.2944 looks on a white background.

Color Contrast Check

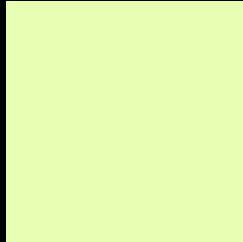
Large Text (above 18pt) WCAG AA × Fail

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 76.5298, 91.5977, 56.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

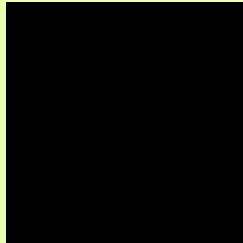
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

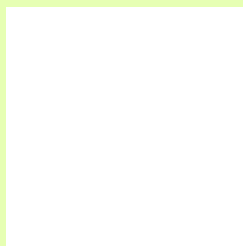
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.5298, 91.5977, 56.2944

Background



This preview shows how black text looks on a background with the XYZ color 76.5298, 91.5977, 56.2944.

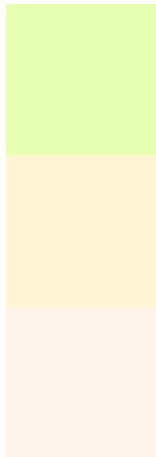


This preview shows how white text looks on a background with the XYZ color 76.5298, 91.5977,

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

76.5298, 91.5977, 56.2944

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

88.1419, 91.3017, 90.8193

Tritanopia

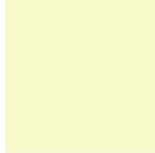
87.6646, 91.5795, 107.6639

Trichromacy



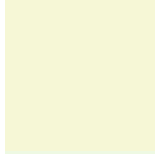
Original Color

76.5298, 91.5977, 56.2944



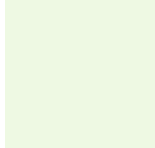
Protanomaly

82.3070, 91.5143, 67.9696



Deuteranomaly

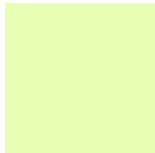
83.4044, 90.9694, 76.7813



Tritanomaly

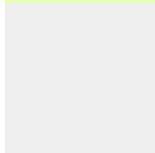
83.0007, 91.4746, 85.9548

Monochromacy



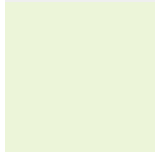
Original Color

76.5298, 91.5977, 56.2944



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 76.5298, 91.5977, 56.2944 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(230, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 76.5298, 91.5977, 56.2944 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(230, 255, 179) }
```


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

```
.border{ border-color:rgb(230, 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(230, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5298, 91.5977, 56.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 179) }
```

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

```
.background{ background-color: rgb(230,  
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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