

Converting Colors

XYZ(76.7340, 91.6794, 57.3689)

Have a look what the booklet for
XYZ(76.7340, 91.6794, 57.3689)
contains.

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Color

**XYZ(76.7336, 91.6792,
57.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFB5
RGB	230, 255, 181
RGB Percent	90%, 100%, 71%
CMY	0.0980, 0.0000, 0.2902
CMYK	0.10, 0.00, 0.29, 0.00
HSL	80°, 100%, 85%
HSV	80°, 29%, 100%
XYZ	76.7336, 91.6792, 57.3676
YIQ	239.0890, 8.8540, -28.3140

Conversions

Conversions Part 2

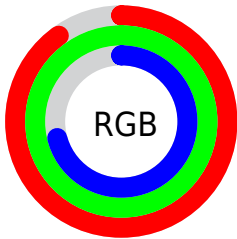
Format	Color
RYB	181, 255, 206
Decimal	15138741
CIELab	96.69, -20.16, 32.76
CIElCh	97, 38.462, 121.607
Yxy	91.6792, 0.3399, 0.4061
Android (android.graphics.Color)	4293328821 (0xFFE6FFB5)
YUV	239.0890, -28.6379, -7.9711
Hunter-Lab	95.7493, -24.5110, 31.5012

Details

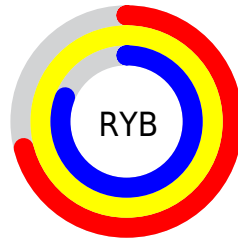
The XYZ color **76.7336, 91.6792, 57.3676** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0285, 53.3908, 101.7494**, and the grayscale version is **82.3238, 86.6111, 94.3195**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **41.5459, 50.9454, 28.0658** is the 20% darker color. If you saturate the color by 10%, you get **71.6550, 89.3362, 44.6990**, and if you desaturate by 10%, it is **82.4286, 94.2845, 72.5673**.

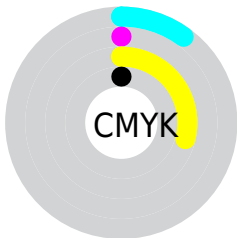
Distribution



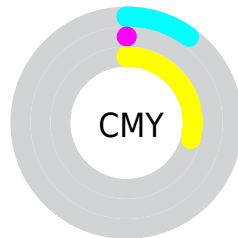
- Red (90%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (81%)



- Cyan (10%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7336, 91.6792, 57.3676 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 76.7336, 91.6792, 57.3676 by changing the saturation by 10% instead.


 76.7336, 91.6792,
57.3676

 76.7336, 91.6792,
57.3676


472.7611,
533.4782, 432.3576

 57.3334, 69.3742,
40.8891


 127.7382,
149.6687, 102.5070

 41.5142, 51.0165,
27.9134


160.0733,
186.1220, 132.0050

 28.9105, 36.2218,
18.0219

197.4508,
228.0602, 166.6800

 19.1571, 24.6055,
10.7961

240.2360,
275.8676, 206.9504

 11.8885, 15.7834,
5.8175

288.7943,
329.9288, 253.2348

 6.7395, 9.3710,
2.6674

343.4910,

 3.3446, 4.9840,

390.6280, 305.9518

0.9270

404.6915,
458.3497, 365.5199

■ 1.3385, 2.2379,
0.0000

■ 0.2118, 0.7405,
0.0000

■ 76.7336, 91.6792,
57.3676

■ 76.7336, 91.6792,
57.3676

■ 71.6550, 89.3362,
44.6990

■ 82.4286, 94.2845,
72.5673

■ 67.1635, 87.2436,
34.4197

■ 88.7649, 97.1624,
90.4215

■ 63.2288, 85.3891,
26.3801

95.0500, 100.0000,
108.9000

■ 59.8170, 83.7588,
20.4120

■ 56.8895, 82.3371,
16.3233

■ 54.4011, 81.1056,
13.8865

■ 52.2855, 80.0376,
12.7649

■ 52.0901, 79.9385,
12.6842

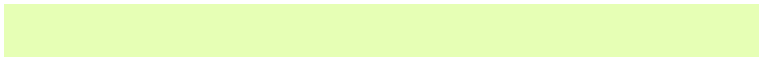
Harmonies

Analogous

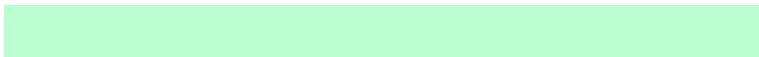
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5591, 91.6792, 51.5161



76.7336, 91.6792, 57.3676



70.1674, 91.6792, 74.2033

Triad

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



76.7336, 91.6792, 57.3676



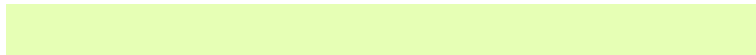
77.6611, 91.6792, 161.5845



109.5113, 91.6792, 98.1696

Complementary

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



76.7336, 91.6792, 57.3676



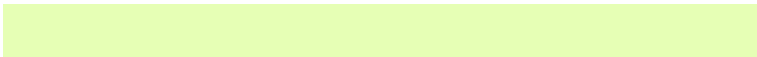
60.0285, 53.3908, 101.7494

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.



106.6463, 91.6792, 130.7501



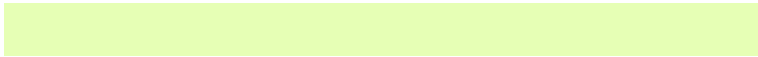
76.7336, 91.6792, 57.3676



87.7202, 91.6792, 171.5832

Square

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



76.7336, 91.6792, 57.3676



70.6711, 91.6792, 134.2280



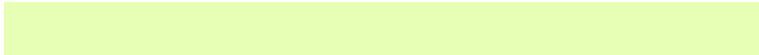
98.4435, 91.6792, 159.3032



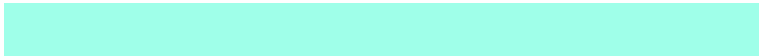
105.9834, 91.6792, 71.8652

Rectangle

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



76.7336, 91.6792, 57.3676



68.2223, 91.6792, 91.4177



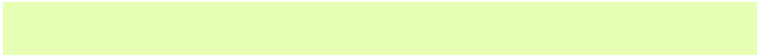
98.4435, 91.6792, 159.3032



109.2628, 91.6792, 108.7285

Sweetspot

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



76.7340, 91.6794, 57.3689



88.7774, 97.1680, 90.4574



71.5723, 68.5793, 53.1822



18.7959, 20.7046, 18.7691



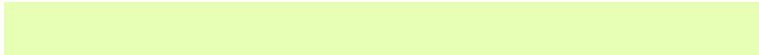
0.0000, 0.0000, 0.0000



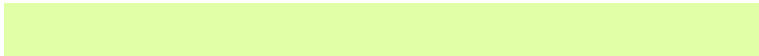
20.3446, 21.4041, 23.3091

Same Dimension

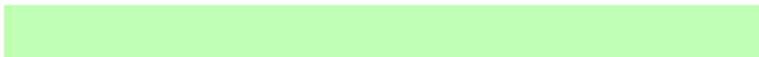
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7340, 91.6794, 57.3689



73.6238, 90.2471, 49.4953



66.1786, 86.2379, 56.8749



18.9302, 20.7654, 19.1547



27.3839, 41.8550, 6.6355



2.7829, 4.1354, 0.6515

Inverse Universe

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



60.0285, 53.3908, 101.7494



54.3804, 46.1243, 100.6445



71.4217, 59.2642, 102.2825



17.5813, 17.6759, 22.7351



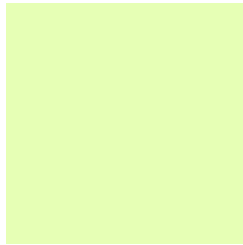
11.5859, 4.8832, 49.7665



1.2391, 0.5327, 4.8508

Previews

White Background



This preview shows how the XYZ color 76.7336, 91.6792, 57.3676 looks on a white background.

Color Contrast Check

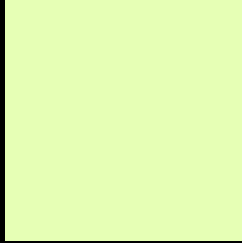
Large Text (above 18pt) WCAG AA × Fail

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 76.7336, 91.6792, 57.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

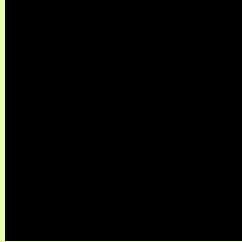
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

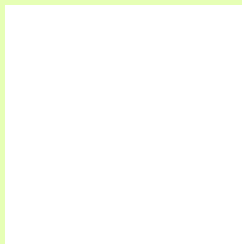
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7336, 91.6792, 57.3676

Background



This preview shows how black text looks on a background with the XYZ color 76.7336, 91.6792, 57.3676.

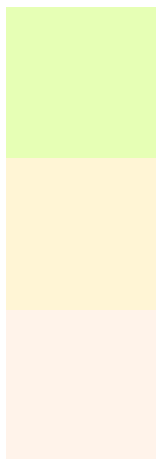


This preview shows how white text looks on a background with the XYZ color 76.7336, 91.6792,

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

76.7336, 91.6792, 57.3676

Protanopia

85.9026, 91.3689, 76.0592

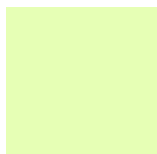
Deuteranopia

88.1419, 91.3017, 90.8193

Tritanopia

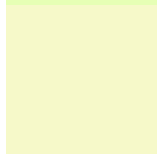
87.6646, 91.5795, 107.6639

Trichromacy



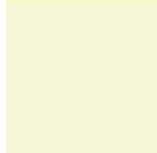
Original Color

76.7336, 91.6792, 57.3676



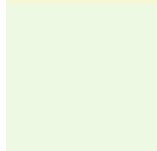
Protanomaly

82.4243, 91.5612, 68.5872



Deuteranomaly

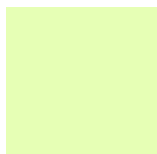
83.5325, 91.0207, 77.4561



Tritanomaly

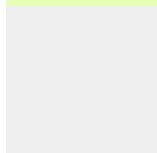
83.1392, 91.5299, 86.6839

Monochromacy



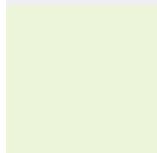
Original Color

76.7336, 91.6792, 57.3676



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.8994, 88.1996, 79.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7336, 91.6792, 57.3676 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 76.7336, 91.6792, 57.3676 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, 181) }
```


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

```
.border{ border-color:rgb(230, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7336, 91.6792, 57.3676 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, 181) }
```

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

```
.background{ background-color: rgb(230,  
255, 181) }
```

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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