

Converting Colors

XYZ(78.5779, 96.0622, 58.4609)

Have a look what the booklet for
XYZ(78.5779, 96.0622, 58.4609)
contains.

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Color

**XYZ(76.1984, 91.3914,
57.8802)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFB6
RGB	228, 255, 182
RGB Percent	89%, 100%, 71%
CMY	0.1059, 0.0000, 0.2863
CMYK	0.11, 0.00, 0.29, 0.00
HSL	82°, 100%, 86%
HSV	82°, 29%, 100%
XYZ	76.1984, 91.3914, 57.8802
YIQ	238.6050, 7.3410, -28.4270

Conversions

Conversions Part 2

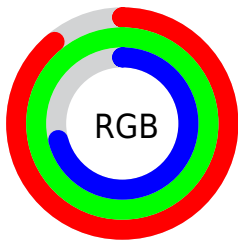
Format	Color
RYB	182, 255, 209
Decimal	15007670
CIELab	96.57, -20.73, 32.07
CIElCh	97, 38.192, 122.881
Yxy	91.3914, 0.3380, 0.4053
Android (android.graphics.Color)	4293197750 (0xFFE4FFB6)
YUV	238.6050, -27.9063, -9.3006
Hunter-Lab	95.5988, -25.0221, 31.0221

Details

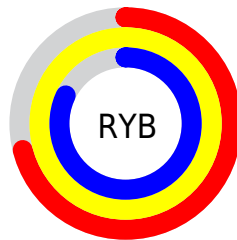
The XYZ color **76.1984, 91.3914, 57.8802** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.0735, 54.2325, 101.8567**, and the grayscale version is **81.9423, 86.2097, 93.8823**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **41.1036, 50.7173, 28.0451** is the 20% darker color. If you saturate the color by 10%, you get **70.8873, 88.9306, 45.1052**, and if you desaturate by 10%, it is **82.1536, 94.1286, 73.1927**.

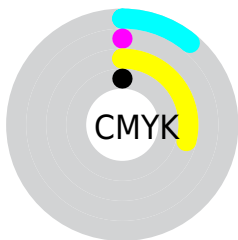
Distribution



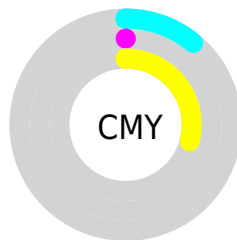
- Red (89%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (82%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1984, 91.3914, 57.8802 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 76.1984, 91.3914, 57.8802 by changing the saturation by 10% instead.

76.1984, 91.3914,
57.8802

76.1984, 91.3914,
57.8802

470.9605,
532.5467, 434.3252

56.8928, 69.1352,
41.2983

126.9862,
149.2696, 103.2614

41.1590, 50.8219,
28.2308

159.1991,
185.6605, 132.8978

28.6316, 36.0669,
18.2591

196.4452,
227.5316, 167.7228

18.9452, 24.4858,
10.9648

239.0898,
275.2676, 208.1549

11.7344, 15.6944,
5.9293

287.4983,
329.2527, 254.6126

6.6340, 9.3082,
2.7341

342.0360,

3.2786, 4.9427,

389.8713, 307.5146

0.9605

403.0683,
457.5078, 367.2792

■ 1.3027, 2.2137,
0.0000

■ 0.1853, 0.7274,
0.0000

■ 76.1984, 91.3914,
57.8802

■ 76.1984, 91.3914,
57.8802

■ 70.8873, 88.9306,
45.1052

■ 82.1536, 94.1286,
73.1927

■ 66.1902, 86.7341,
34.7264

■ 88.7781, 97.1527,
91.1659

■ 62.0766, 84.7891,
26.5946

95.0500, 100.0000,
108.9000

■ 58.5117, 83.0817,
20.5424

■ 55.4568, 81.5958,
16.3789

■ 52.8660, 80.3128,
13.8782

■ 50.6752, 79.2069,
12.7182

■ 50.3942, 79.0642,
12.6049

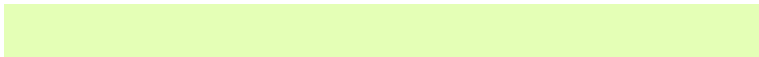
Harmonies

Analogous

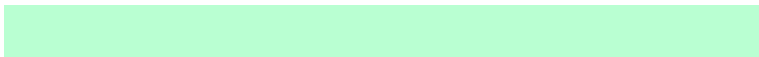
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8381, 91.3914, 51.6154



76.1984, 91.3914, 57.8802



69.8575, 91.3914, 75.0619

Triad

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



76.1984, 91.3914, 57.8802



77.8462, 91.3914, 161.4864



109.0029, 91.3914, 96.5867

Complementary

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



76.1984, 91.3914, 57.8802



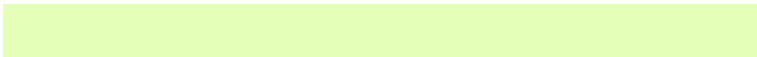
61.0735, 54.2325, 101.8567

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.



106.4300, 91.3914, 128.7614



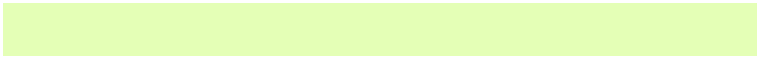
76.1984, 91.3914, 57.8802



87.8996, 91.3914, 170.4641

Square

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



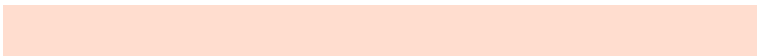
76.1984, 91.3914, 57.8802



70.7527, 91.3914, 134.9289



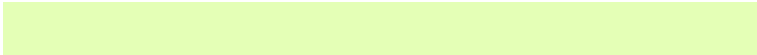
98.4828, 91.3914, 157.4440



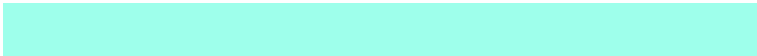
105.2541, 91.3914, 70.9042

Rectangle

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



76.1984, 91.3914, 57.8802



68.0598, 91.3914, 92.4052



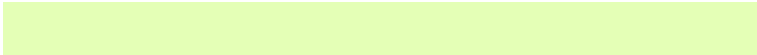
98.4828, 91.3914, 157.4440



108.8491, 91.3914, 106.9693

Sweetspot

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



76.1988, 91.3916, 57.8815



88.5183, 97.0345, 90.4453



72.4274, 70.1248, 53.9754



18.7319, 20.6716, 18.7661



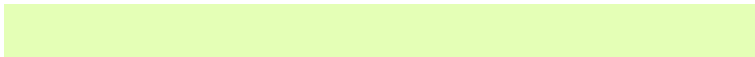
0.0000, 0.0000, 0.0000



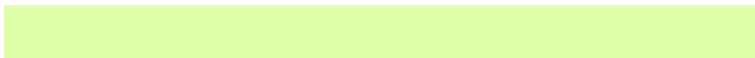
20.3446, 21.4041, 23.3091

Same Dimension

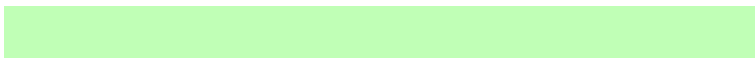
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1988, 91.3916, 57.8815



73.2665, 90.0356, 50.7095



65.8750, 86.0695, 57.3984



18.8718, 20.7353, 19.1520



26.5024, 41.4006, 6.5943



2.7011, 4.0932, 0.6477

Inverse Universe

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



61.0735, 54.2325, 101.8567



56.0258, 47.6662, 100.8554



72.5279, 60.1374, 102.3928



17.6375, 17.7049, 22.7377



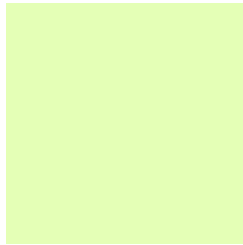
12.0108, 5.1023, 49.7864



1.2851, 0.5564, 4.8529

Previews

White Background



This preview shows how the XYZ color 76.1984, 91.3914, 57.8802 looks on a white background.

Color Contrast Check

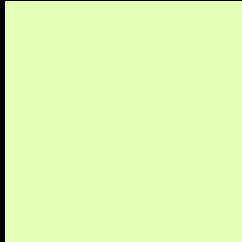
Large Text (above 18pt) WCAG AA × Fail

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 76.1984, 91.3914, 57.8802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

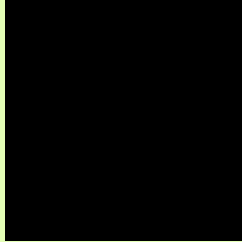
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

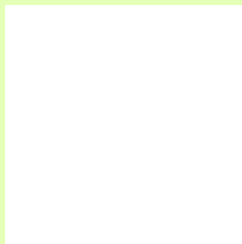
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1984, 91.3914, 57.8802

Background



This preview shows how black text looks on a background with the XYZ color 76.1984, 91.3914, 57.8802.



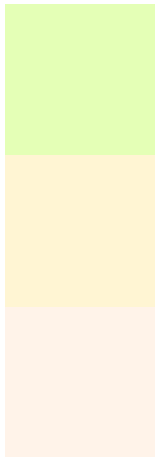
This preview shows how white text looks on a background with the XYZ color 76.1984, 91.3914,

57.8802.

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

76.1984, 91.3914, 57.8802

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

87.9986, 91.2444, 90.0647

Tritanopia

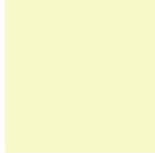
87.3204, 91.4021, 107.6478

Trichromacy



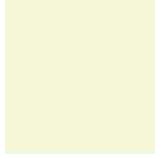
Original Color

76.1984, 91.3914, 57.8802



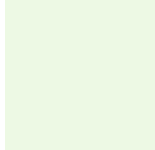
Protanomaly

81.9572, 91.3340, 67.9532



Deuteranomaly

83.0546, 90.7890, 76.7649



Tritanomaly

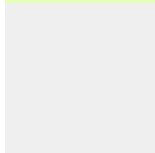
82.8043, 91.3573, 86.6683

Monochromacy



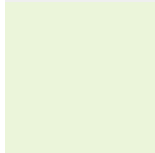
Original Color

76.1984, 91.3914, 57.8802



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.5682, 88.0289, 79.1273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1984, 91.3914, 57.8802 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 76.1984, 91.3914, 57.8802 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, 182) }
```


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

```
.border{ border-color:rgb(228, 255, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1984, 91.3914, 57.8802 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, 182) }
```

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

```
.background{ background-color: rgb(228,  
255, 182) }
```

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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