

Converting Colors

XYZ(81.7749, 93.5836, 88.9792)

Have a look what the booklet for
XYZ(81.7749, 93.5836, 88.9792)
contains.

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Color

**XYZ(81.7215, 93.5641,
88.6154)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFE6
RGB	227, 255, 230
RGB Percent	89%, 100%, 90%
CMY	0.1098, 0.0000, 0.0980
CMYK	0.11, 0.00, 0.10, 0.00
HSL	126°, 100%, 95%
HSV	126°, 11%, 100%
XYZ	81.7215, 93.5641, 88.6154
YIQ	243.7780, -8.6630, -13.7110

Conversions

Conversions Part 2

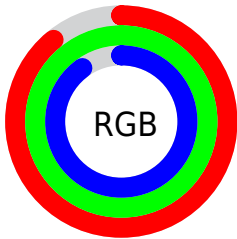
Format	Color
R_{YB}	227, 252, 255
Decimal	14942182
CIE _{Lab}	97.46, -13.59, 8.88
CIE _{LCh}	97, 16.234, 146.820
Yxy	93.5641, 0.3097, 0.3545
Android (android.graphics.Color)	4293132262 (0xFFE3FFE6)
YUV	243.7780, -6.7926, -14.7143
Hunter-Lab	96.7285, -18.4685, 13.3929

Details

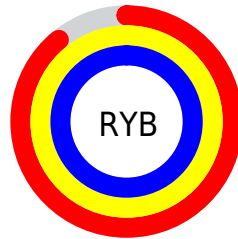
The XYZ color **81.7215, 93.5641, 88.6154** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.2801, 83.2273, 103.6122**, and the grayscale version is **85.8687, 90.3405, 98.3808**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7265, 52.1412, 48.2644** is the 20% darker color. If you saturate the color by 10%, you get **71.2737, 88.5236, 72.5122**, and if you desaturate by 10%, it is **93.7797, 99.3864, 106.9767**.

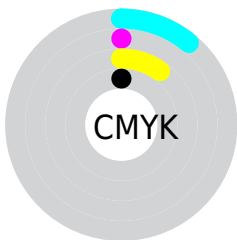
Distribution



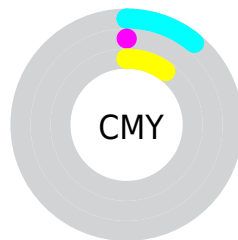
- Red (89%)
- Green (100%)
- Blue (90%)



- Red (89%)
- Yellow (99%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7215, 93.5641, 88.6154 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 81.7215, 93.5641, 88.6154 by changing the saturation by 10% instead.

81.7215, 93.5641,
88.6154

81.7215, 93.5641,
88.6154

489.3643,
539.5578, 543.9699

61.4493, 70.9405,
66.2656

134.7212,
152.2794, 147.3323

44.8418, 52.2936,
48.0302

168.1795,
189.1398, 184.5365

31.5336, 37.2392,
33.4906

206.7639,
231.5145, 227.5292

21.1593, 25.3927,
22.2284

250.8397,
279.7881, 276.7290

13.3536, 16.3699,
13.8249

300.7722,
334.3448, 332.5544

7.7512, 9.7863,
7.8616

356.9270,

3.9866, 5.2575,

395.5690, 395.4240

3.9200

419.6692,
463.8453, 465.7563

■ 1.6946, 2.3991,
1.5816

■ 0.4529, 0.8254,
0.2776

■ 81.7215, 93.5641,
88.6154

■ 81.7215, 93.5641,
88.6154

■ 71.2737, 88.5236,
72.5122

■ 93.7797, 99.3864,
106.9767

■ 62.3656, 84.2306,
58.5757

■ 95.0500, 100.0000,
108.9000

■ 54.9251, 80.6497,
46.7147

■ 48.8729, 77.7422,
36.8301

■ 44.1226, 75.4658,
28.8142

■ 40.5776, 73.7733,
22.5495

■ 38.1282, 72.6108,
17.9049

■ 36.6441, 71.9144,
14.7310

■ 35.9616, 71.6006,
12.9817

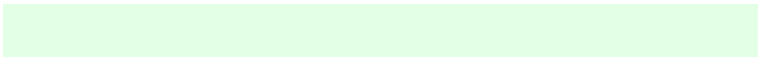
Harmonies

Analogous

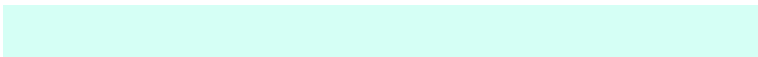
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9935, 93.5641, 80.8750



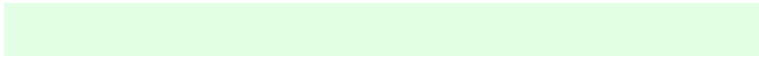
81.7215, 93.5641, 88.6154



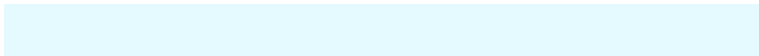
80.3770, 93.5641, 100.4749

Triad

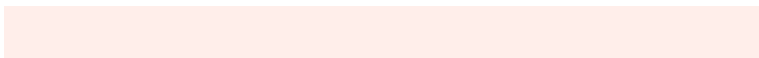
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7215, 93.5641, 88.6154



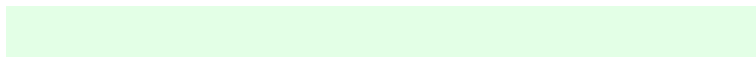
88.4395, 93.5641, 129.3568



97.0700, 93.5641, 90.8545

Complementary

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



81.7215, 93.5641, 88.6154



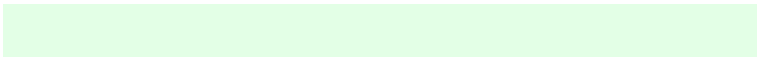
86.2801, 83.2273, 103.6122

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.



98.0689, 93.5641, 103.2888



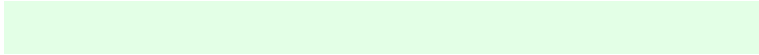
81.7215, 93.5641, 88.6154



92.9859, 93.5641, 126.2287

Square

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



81.7215, 93.5641, 88.6154



84.1706, 93.5641, 124.6126



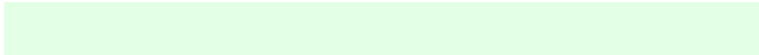
96.5501, 93.5641, 116.3963



93.8653, 93.5641, 82.0872

Rectangle

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



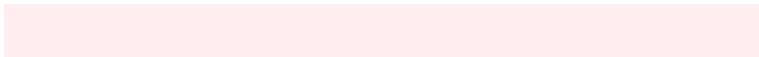
81.7215, 93.5641, 88.6154



80.7189, 93.5641, 109.3926



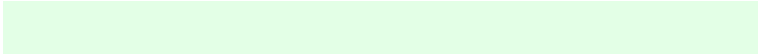
96.5501, 93.5641, 116.3963



97.6796, 93.5641, 94.7107

Sweetspot

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



81.7222, 93.5644, 88.6168



91.2110, 98.1457, 103.0818



89.8428, 97.7990, 86.8161



19.3087, 20.9038, 21.7385



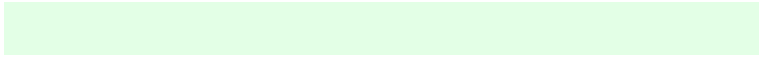
0.0000, 0.0000, 0.0000



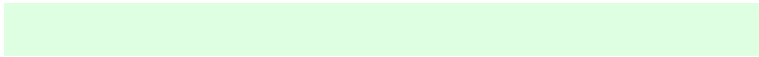
20.3446, 21.4041, 23.3091

Same Dimension

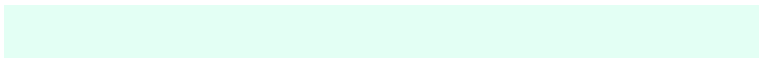
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7222, 93.5644, 88.6168



79.4839, 92.4842, 85.1843



83.7379, 94.3707, 99.2312



17.8507, 20.1998, 19.5166



18.8161, 37.4230, 6.9168



1.8568, 3.6536, 0.8035

Inverse Universe

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



86.2801, 83.2273, 103.6122



84.8047, 80.4162, 102.6894



84.1717, 82.3839, 92.5092



18.7039, 18.2649, 22.3236



28.8762, 14.0398, 39.5940



2.8346, 1.3762, 3.9765

Previews

White Background



This preview shows how the XYZ color 81.7215, 93.5641, 88.6154 looks on a white background.

Color Contrast Check

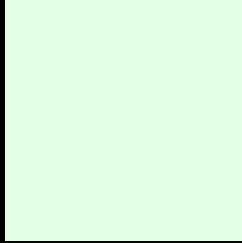
Large Text (above 18pt) WCAG AA × Fail

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 81.7215, 93.5641, 88.6154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

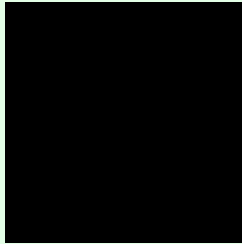
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

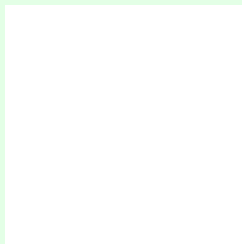
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7215, 93.5641, 88.6154

Background



This preview shows how black text looks on a background with the XYZ color 81.7215, 93.5641, 88.6154.



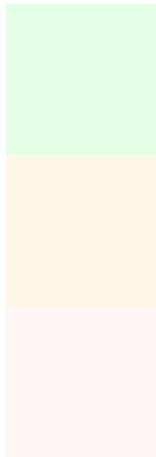
This preview shows how white text looks on a background with the XYZ color 81.7215, 93.5641,

88.6154.

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

81.7215, 93.5641, 88.6154

Protanopia

88.7837, 93.4947, 88.2298

Deuteranopia

90.2215, 93.0965, 98.8022

Tritanopia

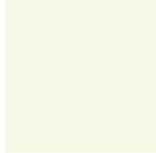
88.5795, 93.4095, 107.9689

Trichromacy



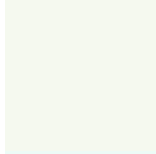
Original Color

81.7215, 93.5641, 88.6154



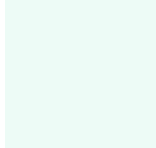
Protanomaly

86.1247, 93.4969, 88.3704



Deuteranomaly

87.1119, 93.3958, 95.0973



Tritanomaly

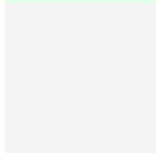
86.0568, 93.6527, 100.7299

Monochromacy



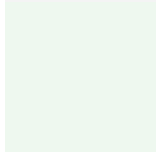
Original Color

81.7215, 93.5641, 88.6154



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.4073, 91.5439, 94.8824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7215, 93.5641, 88.6154 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(227, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 230)  
}
```

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(227, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 81.7215, 93.5641, 88.6154 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(227, 255, 230) }
```


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

```
.border{ border-color:rgb(227, 255, 230) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7215, 93.5641, 88.6154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 230) }
```

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

```
.background{ background-color: rgb(227,  
255, 230) }
```

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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