

Converting Colors

XYZ(83.8801, 96.6294, 79.6032)

Have a look what the booklet for
XYZ(83.8801, 96.6294, 79.6032)
contains.

XYZ(82.8765, 94.3626, 79.4914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.8765, 94.3626,
79.4914)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFD9
RGB	236, 255, 217
RGB Percent	93%, 100%, 85%
CMY	0.0745, 0.0000, 0.1490
CMYK	0.07, 0.00, 0.15, 0.00
HSL	90°, 100%, 93%
HSV	90°, 15%, 100%
XYZ	82.8765, 94.3626, 79.4914
YIQ	244.9870, 0.8740, -15.8460

Conversions

Conversions Part 2

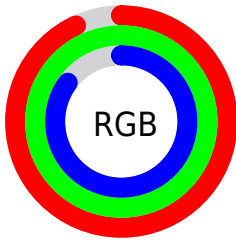
Format	Color
R_{YB}	217, 255, 236
Decimal	15531993
CIE _{Lab}	97.78, -12.75, 16.08
CIE _{LCh}	98, 20.519, 128.398
Yxy	94.3626, 0.3228, 0.3676
Android (android.graphics.Color)	4293722073 (0xFFECCFD9)
YUV	244.9870, -13.7976, -7.8816
Hunter-Lab	97.1404, -17.7063, 19.4804

Details

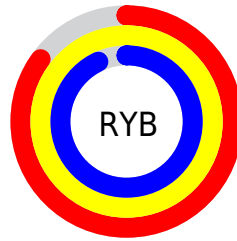
The XYZ color **82.8765, 94.3626, 79.4914** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.4557, 74.6798, 104.9400**, and the grayscale version is **86.8871, 91.4120, 99.5476**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5381, 52.7001, 41.9544** is the 20% darker color. If you saturate the color by 10%, you get **75.7283, 91.0317, 63.1600**, and if you desaturate by 10%, it is **90.8408, 98.0551, 98.5390**.

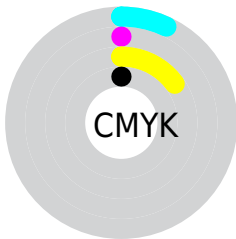
Distribution



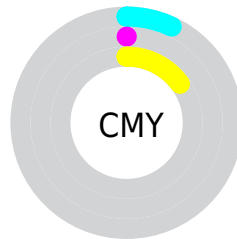
- Red (93%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.8765, 94.3626, 79.4914 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 82.8765, 94.3626, 79.4914 by changing the saturation by 10% instead.


 82.8765, 94.3626,
79.4914

 82.8765, 94.3626,
79.4914


493.1650,
542.1224, 512.8787

 62.4048, 71.6046,
58.7762


136.3319,
153.3837, 134.4554

 45.6167, 52.8357,
42.0142


170.0464,
190.4156, 169.5412

 32.1468, 37.6716,
28.7867

208.9058,
232.9742, 210.2544

 21.6298, 25.7279,
18.6754


253.2755,
281.4440, 257.0134

 13.7002, 16.6202,
11.2615

303.5210,
336.2093, 310.2368

 7.9927, 9.9641,
6.1266

360.0075,

 4.1421, 5.3752,

397.6546, 370.3431

2.8522

423.1004,
466.1641, 437.7509

■ 1.7828, 2.4690,
1.0197

■ 0.5073, 0.8611,
0.0000

■ 82.8765, 94.3626,
79.4914

■ 82.8765, 94.3626,
79.4914

■ 75.7283, 91.0317,
63.1600

■ 90.8408, 98.0551,
98.5390

■ 69.3646, 88.0487,
49.4166

95.0500, 100.0000,
108.9000

■ 63.7541, 85.4004,
38.1292

■ 58.8627, 83.0724,
29.1525

■ 54.6530, 81.0490,
22.3256

■ 51.0834, 79.3126,
17.4673

■ 48.1064, 77.8434,
14.3663

■ 45.6647, 76.6176,
12.7627

■ 44.5874, 76.0707,
12.3331

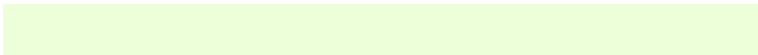
Harmonies

Analogous

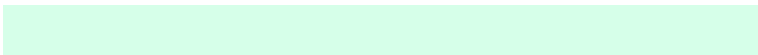
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0547, 94.3626, 74.0357



82.8765, 94.3626, 79.4914



79.6236, 94.3626, 91.3261

Triad

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



82.8765, 94.3626, 79.4914



85.6077, 94.3626, 135.7318



101.2933, 94.3626, 98.1076

Complementary

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



82.8765, 94.3626, 79.4914



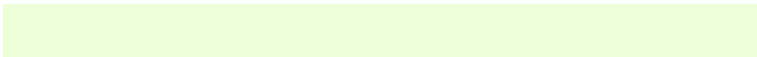
77.4557, 74.6798, 104.9400

Split Complementary

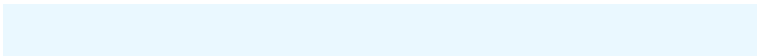
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.5684, 94.3626, 115.0778



82.8765, 94.3626, 79.4914



91.3431, 94.3626, 138.0551

Square

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



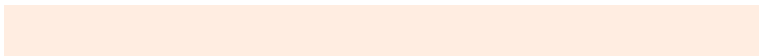
82.8765, 94.3626, 79.4914



81.1520, 94.3626, 124.1000



96.8646, 94.3626, 130.1411



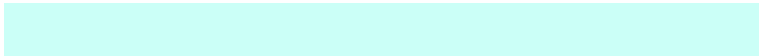
98.8042, 94.3626, 83.9918

Rectangle

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



82.8765, 94.3626, 79.4914



78.8995, 94.3626, 101.8461



96.8646, 94.3626, 130.1411



101.4195, 94.3626, 103.6489

Sweetspot

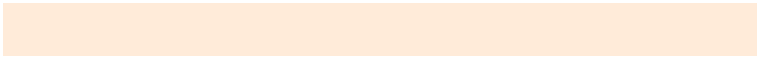
The Sweet Spot groups the original color and five complimentary colors.



82.8772, 94.3630, 79.4928



91.5994, 98.4059, 100.3926



83.5784, 85.8973, 77.8218



19.4704, 21.0002, 21.1566



0.0000, 0.0000, 0.0000



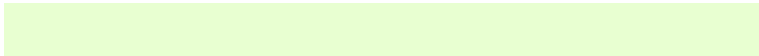
20.3446, 21.4041, 23.3091

Same Dimension

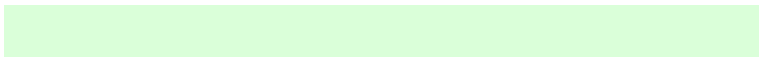
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8772, 94.3630, 79.4928



80.5761, 93.2926, 74.1470



77.0892, 91.3791, 79.2220



18.6370, 20.6143, 19.1410



23.4700, 39.8373, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



77.4557, 74.6798, 104.9400



74.1698, 70.0341, 104.2165



83.8708, 77.9869, 105.2402



17.8684, 17.8239, 22.7485



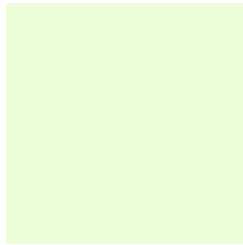
14.2159, 6.2390, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 82.8765, 94.3626, 79.4914 looks on a white background.

Color Contrast Check

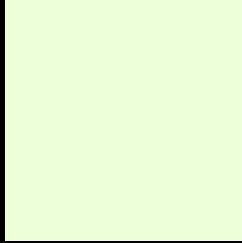
Large Text (above 18pt) WCAG AA × Fail

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 82.8765, 94.3626, 79.4914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

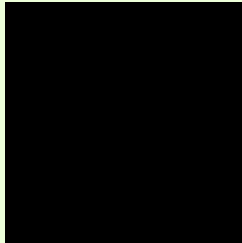
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

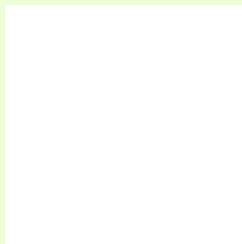
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8765, 94.3626, 79.4914

Background



This preview shows how black text looks on a background with the XYZ color 82.8765, 94.3626, 79.4914.



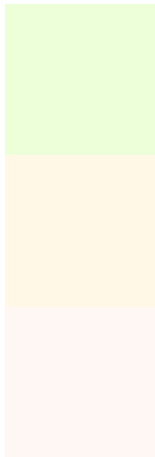
This preview shows how white text looks on a background with the XYZ color 82.8765, 94.3626,

79.4914.

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

82.8765, 94.3626, 79.4914

Protanopia

89.2312, 94.1643, 89.0738

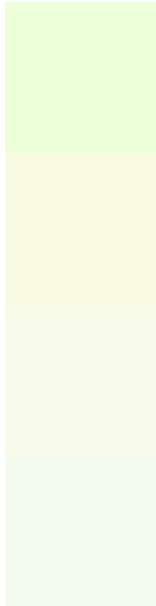
Deuteranopia

90.8299, 94.3132, 99.0050

Tritanopia

89.9752, 94.1290, 108.0342

Trichromacy



Original Color

82.8765, 94.3626, 79.4914

Protanomaly

86.9360, 94.4418, 85.5986

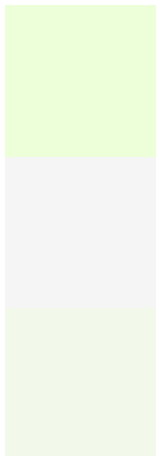
Deuteranomaly

87.7483, 94.2682, 91.4127

Tritanomaly

87.3365, 94.3999, 96.8370

Monochromacy



Original Color

82.8765, 94.3626, 79.4914

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4890, 92.6268, 91.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8765, 94.3626, 79.4914 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(236, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 217)  
}
```

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(236, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 82.8765, 94.3626, 79.4914 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(236, 255, 217) }
```


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

```
.border{ border-color:rgb(236, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8765, 94.3626, 79.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 217) }
```

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

```
.background{ background-color: rgb(236,  
255, 217) }
```

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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