

Converting Colors

XYZ(111.2841, 148.5308,
87.8854)

Have a look what the booklet for
XYZ(111.2841, 148.5308, 87.8854)
contains.

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Color

**XYZ(84.7726, 95.3551,
78.9031)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFD8
RGB	242, 255, 216
RGB Percent	95%, 100%, 85%
CMY	0.0510, 0.0000, 0.1529
CMYK	0.05, 0.00, 0.15, 0.00
HSL	80°, 100%, 92%
HSV	80°, 15%, 100%
XYZ	84.7726, 95.3551, 78.9031
YIQ	246.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

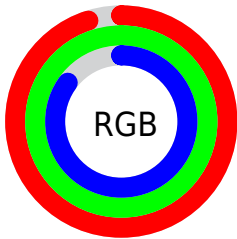
Format	Color
R_{YB}	216, 255, 229
Decimal	15925208
CIE _{Lab}	98.18, -10.84, 17.21
CIE _{LCh}	98, 20.343, 122.209
Yxy	95.3551, 0.3273, 0.3681
Android (android.graphics.Color)	4294115288 (0xFFFF2FFD8)
YUV	246.6670, -15.1188, -4.0930
Hunter-Lab	97.6499, -15.9266, 20.4475

Details

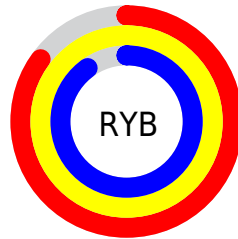
The XYZ color **84.7726, 95.3551, 78.9031** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.9198, 72.9909, 104.7477**, and the grayscale version is **88.2531, 92.8491, 101.1127**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8768, 53.4005, 41.5549** is the 20% darker color. If you saturate the color by 10%, you get **78.8774, 92.6678, 62.7328**, and if you desaturate by 10%, it is **91.3163, 98.3176, 97.7771**.

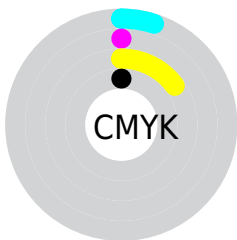
Distribution



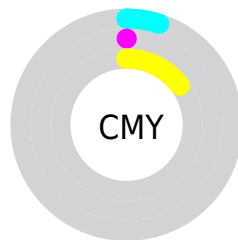
- Red (95%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7726, 95.3551, 78.9031 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 84.7726, 95.3551, 78.9031 by changing the saturation by 10% instead.

84.7726, 95.3551,
78.9031

84.7726, 95.3551,
78.9031

499.3703,
545.3012, 510.8374

63.9754, 72.4306,
58.2953

138.9711,
154.7551, 133.6199

46.8923, 53.5105,
41.6298

173.1031,
191.9993, 168.5659

33.1581, 38.2104,
28.4881

212.4106,
234.7856, 209.1284

22.4074, 26.1461,
18.4517

257.2592,
283.4983, 255.7260

14.2749, 16.9329,
11.1020

308.0141,
338.5218, 308.7772

8.3951, 10.1867,
6.0204

365.0407,

4.4027, 5.5229,

400.2405, 368.7004

2.7885

428.7043,
469.0388, 435.9143

■ 1.9324, 2.5572,
0.9877

■ 0.5955, 0.9052,
0.0000

■ 84.7726, 95.3551,
78.9031

■ 84.7726, 95.3551,
78.9031

■ 78.8774, 92.6678,
62.7328

■ 91.3163, 98.3176,
97.7771

■ 73.6035, 90.2445,
49.1379

95.0500, 100.0000,
108.9000

■ 68.9243, 88.0742,
37.9862

■ 64.8103, 86.1451,
29.1320

■ 61.2290, 84.4438,
22.4141

■ 58.1437, 82.9556,
17.6505

■ 55.5122, 81.6631,
14.6286

■ 53.2825, 80.5455,
13.0865

■ 52.3380, 80.0663,
12.6958

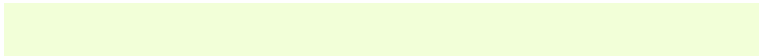
Harmonies

Analogous

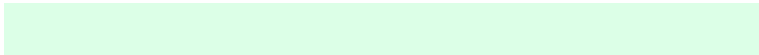
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1996, 95.3551, 74.8687



84.7726, 95.3551, 78.9031



81.0486, 95.3551, 89.5297

Triad

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



84.7726, 95.3551, 78.9031



85.4924, 95.3551, 134.9832



102.3331, 95.3551, 102.5895

Complementary

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



84.7726, 95.3551, 78.9031



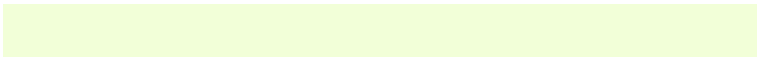
74.9198, 72.9909, 104.7477

Split Complementary

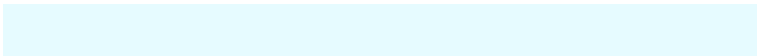
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.9429, 95.3551, 119.5674



84.7726, 95.3551, 78.9031



91.0661, 95.3551, 139.4250

Square

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



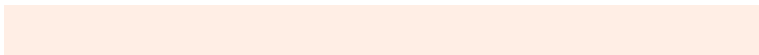
84.7726, 95.3551, 78.9031



81.4515, 95.3551, 121.9444



96.7557, 95.3551, 133.5104



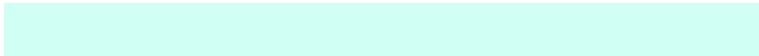
100.4780, 95.3551, 87.5966

Rectangle

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



84.7726, 95.3551, 78.9031



79.9467, 95.3551, 99.5232



96.7557, 95.3551, 133.5104



102.2297, 95.3551, 108.2500

Sweetspot

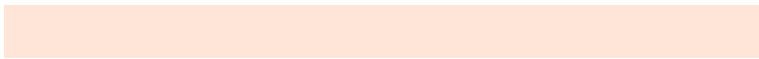
The Sweet Spot groups the original color and five complimentary colors.



84.7732, 95.3554, 78.9045



91.5183, 98.4087, 98.3726



81.4751, 81.8983, 76.4809



19.4853, 21.0169, 20.7513



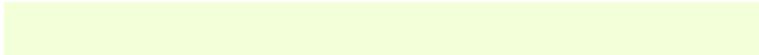
0.0000, 0.0000, 0.0000



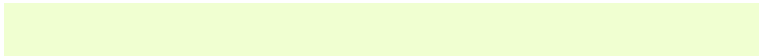
20.3446, 21.4041, 23.3091

Same Dimension

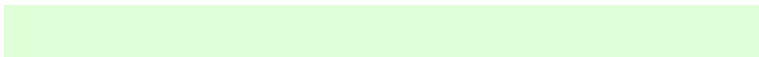
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7732, 95.3554, 78.9045



83.1146, 94.6013, 74.2658



78.6331, 92.1900, 78.6172



18.9385, 20.7697, 19.1551



27.5127, 41.9214, 6.6416



2.7948, 4.1415, 0.6521

Inverse Universe

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



74.9198, 72.9909, 104.7477



71.7395, 68.7812, 104.1028



81.2647, 76.2619, 105.0446



17.5734, 17.6718, 22.7347



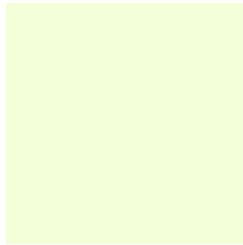
11.5295, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 84.7726, 95.3551, 78.9031 looks on a white background.

Color Contrast Check

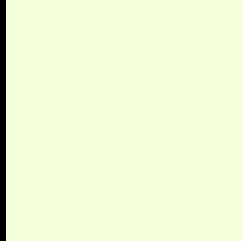
Large Text (above 18pt) WCAG AA × Fail

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 84.7726, 95.3551, 78.9031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

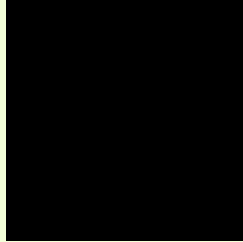
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

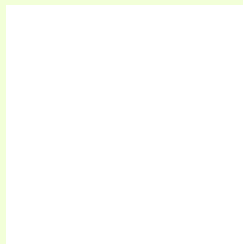
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7726, 95.3551, 78.9031

Background



This preview shows how black text looks on a background with the XYZ color 84.7726, 95.3551, 78.9031.



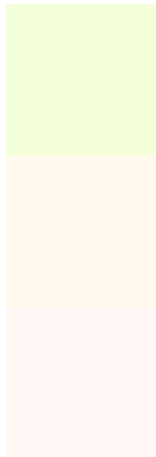
This preview shows how white text looks on a background with the XYZ color 84.7726, 95.3551,

78.9031.

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

84.7726, 95.3551, 78.9031

Protanopia

90.1111, 95.0095, 92.1866

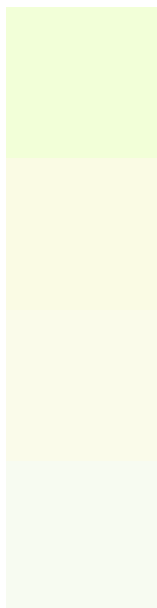
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

91.3500, 95.2954, 108.1869

Trichromacy



Original Color

84.7726, 95.3551, 78.9031

Protanomaly

87.9251, 94.9198, 87.0860

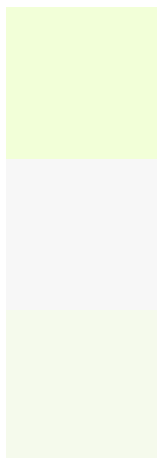
Deuteranomaly

88.7728, 95.2589, 91.5499

Tritanomaly

88.7321, 95.1194, 96.9023

Monochromacy



Original Color

84.7726, 95.3551, 78.9031

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

86.9821, 93.8398, 92.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7726, 95.3551, 78.9031 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(242, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 216)  
}
```

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(242, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 84.7726, 95.3551, 78.9031 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(242, 255, 216) }
```


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

```
.border{ border-color:rgb(242, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7726, 95.3551, 78.9031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 216) }
```

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

```
.background{ background-color: rgb(242,  
255, 216) }
```

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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