

Converting Colors

XYZ(108.0332, 142.3178,
88.0459)

Have a look what the booklet for
XYZ(108.0332, 142.3178, 88.0459)
contains.

XYZ(84.3501, 95.1072, 80.2415)	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(84.3501, 95.1072,
80.2415)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFDA
RGB	240, 255, 218
RGB Percent	94%, 100%, 85%
CMY	0.0588, 0.0000, 0.1451
CMYK	0.06, 0.00, 0.15, 0.00
HSL	84°, 100%, 93%
HSV	84°, 15%, 100%
XYZ	84.3501, 95.1072, 80.2415
YIQ	246.2970, 2.9370, -14.6870

Conversions

Conversions Part 2

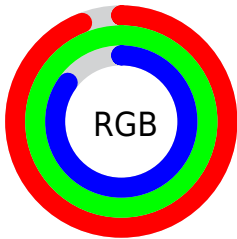
Format	Color
R _Y B	218, 255, 233
Decimal	15794138
CIE Lab	98.08, -11.22, 16.03
CIE LCh	98, 19.566, 124.980
Yxy	95.1072, 0.3248, 0.3662
Android (android.graphics.Color)	4293984218 (0xFFFF0FFDA)
YUV	246.2970, -13.9504, -5.5225
Hunter-Lab	97.5229, -16.2758, 19.4825

Details

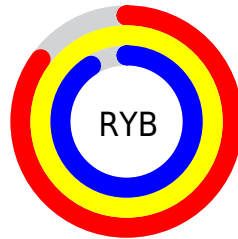
The XYZ color **84.3501, 95.1072, 80.2415** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.7265, 74.6877, 104.9800**, and the grayscale version is **87.9449, 92.5249, 100.7596**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5721, 53.2229, 42.4688** is the 20% darker color. If you saturate the color by 10%, you get **77.8555, 92.1155, 63.8380**, and if you desaturate by 10%, it is **91.5595, 98.4081, 99.3611**.

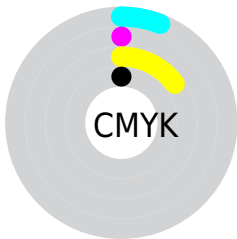
Distribution



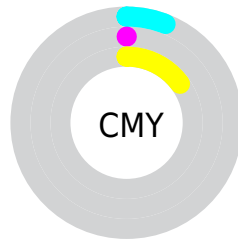
- Red (94%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3501, 95.1072, 80.2415 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 84.3501, 95.1072, 80.2415 by changing the saturation by 10% instead.

 84.3501, 95.1072,
80.2415

 84.3501, 95.1072,
80.2415

497.9912,
544.5081, 515.4745

 63.6252, 72.2242,
59.3898


138.3835,
154.4127, 135.5197

 46.6077, 53.3418,
42.5049


172.4228,
191.6040, 170.7832

 32.9323, 38.0757,
29.1683


211.6309,
234.3335, 211.6877

 22.2336, 26.0415,
18.9615

256.3731,
282.9856, 258.6518

 14.1462, 16.8547,
11.4659

307.0150,
337.9447, 312.0940

 8.3048, 10.1309,
6.2631

363.9217,

 4.3440, 5.4859,

399.5953, 372.4328

2.9343

427.4586,
468.3216, 440.0868

■ 1.8985, 2.5351,
1.0612

■ 0.5760, 0.8941,
0.0000

■ 84.3501, 95.1072,
80.2415

■ 84.3501, 95.1072,
80.2415

■ 77.8555, 92.1155,
63.8380

■ 91.5595, 98.4081,
99.3611

■ 72.0469, 89.4208,
50.0229

95.0500, 100.0000,
108.9000

■ 66.8964, 87.0117,
38.6647

■ 62.3732, 84.8754,
29.6188

■ 58.4433, 82.9980,
22.7252

■ 55.0688, 81.3638,
17.8037

■ 52.2061, 79.9550,
14.6447

■ 49.8027, 78.7501,
12.9910

■ 48.6387, 78.1592,
12.5227

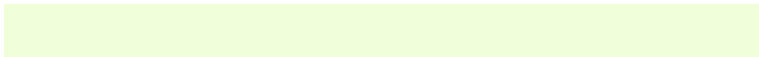
Harmonies

Analogous

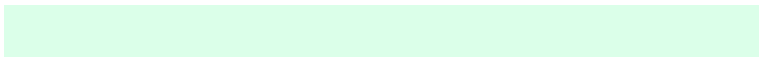
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4630, 95.1072, 75.7177



84.3501, 95.1072, 80.2415



80.9664, 95.1072, 91.0272

Triad

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



84.3501, 95.1072, 80.2415



85.9090, 95.1072, 134.1608



101.5787, 95.1072, 100.8957

Complementary

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



84.3501, 95.1072, 80.2415



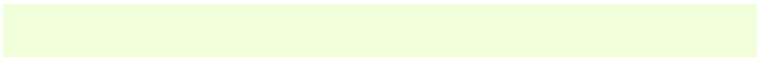
76.7265, 74.6877, 104.9800

Split Complementary

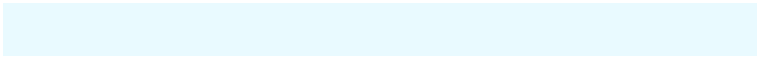
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.5319, 95.1072, 117.1838



84.3501, 95.1072, 80.2415



91.3366, 95.1072, 137.4959

Square

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



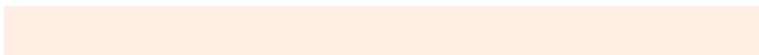
84.3501, 95.1072, 80.2415



81.8400, 95.1072, 122.3029



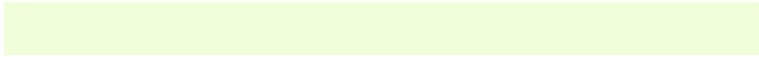
96.7252, 95.1072, 130.9975



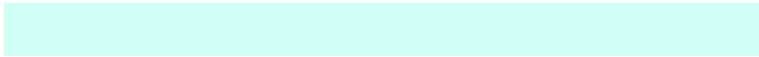
99.5296, 95.1072, 86.8292

Rectangle

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



84.3501, 95.1072, 80.2415



80.0673, 95.1072, 100.8749



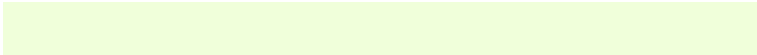
96.7252, 95.1072, 130.9975



101.5780, 95.1072, 106.2833

Sweetspot

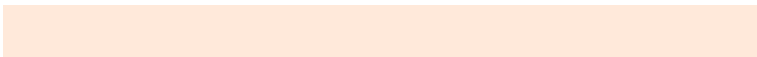
The Sweet Spot groups the original color and five complimentary colors.



84.3508, 95.1075, 80.2429



91.9459, 98.5845, 100.4089



82.9778, 84.4874, 78.2654



19.5581, 21.0454, 21.1607



0.0000, 0.0000, 0.0000



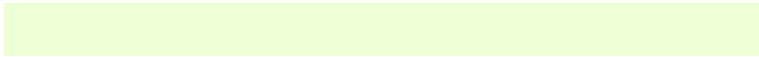
20.3446, 21.4041, 23.3091

Same Dimension

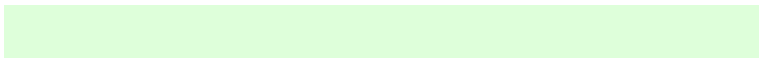
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3508, 95.1075, 80.2429



82.6671, 94.3338, 75.9073



78.4481, 92.0646, 79.9667



18.8073, 20.7021, 19.1490



25.5882, 40.9293, 6.5515



2.6152, 4.0489, 0.6437

Inverse Universe

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



76.7265, 74.6877, 104.9800



73.8907, 70.8270, 104.3843



83.0138, 77.9289, 105.2742



17.7002, 17.7372, 22.7407



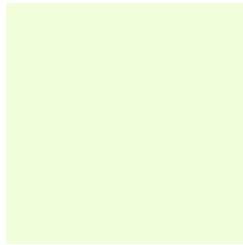
12.5352, 5.3726, 49.8109



1.3403, 0.5849, 4.8555

Previews

White Background



This preview shows how the XYZ color 84.3501, 95.1072, 80.2415 looks on a white background.

Color Contrast Check

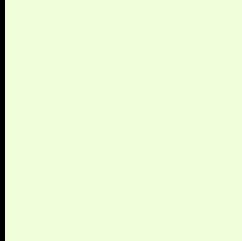
Large Text (above 18pt) WCAG AA × Fail

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 84.3501, 95.1072, 80.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

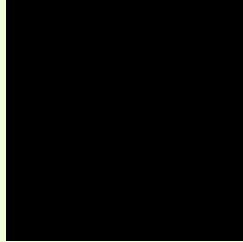
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

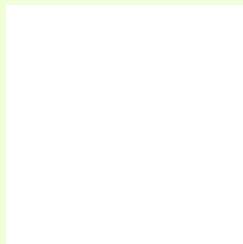
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3501, 95.1072, 80.2415

Background



This preview shows how black text looks on a background with the XYZ color 84.3501, 95.1072, 80.2415.



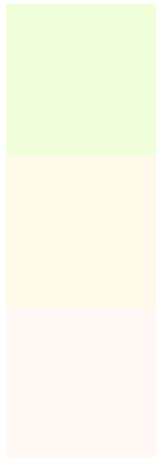
This preview shows how white text looks on a background with the XYZ color 84.3501, 95.1072,

80.2415.

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

84.3501, 95.1072, 80.2415

Protanopia

89.9670, 94.9519, 91.4277

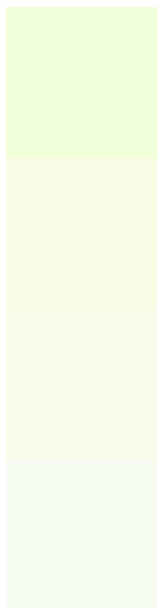
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

90.9926, 95.1111, 108.1702

Trichromacy



Original Color

84.3501, 95.1072, 80.2415

Protanomaly

87.9251, 94.9198, 87.0860

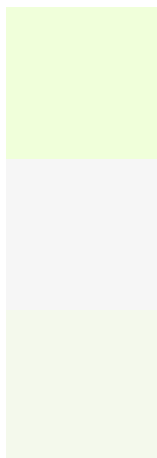
Deuteranomaly

88.9169, 95.3165, 92.3088

Tritanomaly

88.5302, 94.9980, 97.6748

Monochromacy



Original Color

84.3501, 95.1072, 80.2415

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.3242, 93.0406, 92.7657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3501, 95.1072, 80.2415 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(240, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 218)  
}
```

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(240, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 84.3501, 95.1072, 80.2415 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(240, 255, 218) }
```


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

```
.border{ border-color:rgb(240, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3501, 95.1072, 80.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 218) }
```

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

```
.background{ background-color: rgb(240,  
255, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor