

Converting Colors

XYZ(108.5795, 142.4240,
89.1036)

Have a look what the booklet for
XYZ(108.5795, 142.4240, 89.1036)
contains.

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Color

**XYZ(85.1641, 95.5117,
80.9648)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFDB
RGB	242, 255, 219
RGB Percent	95%, 100%, 86%
CMY	0.0510, 0.0000, 0.1412
CMYK	0.05, 0.00, 0.14, 0.00
HSL	82°, 100%, 93%
HSV	82°, 14%, 100%
XYZ	85.1641, 95.5117, 80.9648
YIQ	247.0090, 3.8080, -13.9520

Conversions

Conversions Part 2

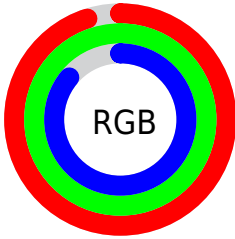
Format	Color
R _Y B	219, 255, 232
Decimal	15925211
CIE Lab	98.24, -10.37, 15.77
CIE LCh	98, 18.874, 123.337
Yxy	95.5117, 0.3255, 0.3650
Android (android.graphics.Color)	4294115291 (0xFFFF2FFDB)
YUV	247.0090, -13.8084, -4.3929
Hunter-Lab	97.7301, -15.4789, 19.2921

Details

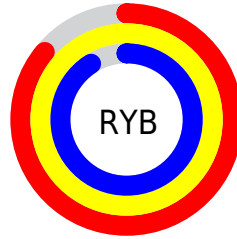
The XYZ color **85.1641, 95.5117, 80.9648** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.6611, 75.0401, 105.0514**, and the grayscale version is **88.5213, 93.1313, 101.4200**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1446, 53.5076, 42.9652** is the 20% darker color. If you saturate the color by 10%, you get **78.9784, 92.6815, 64.4729**, and if you desaturate by 10%, it is **92.0245, 98.6303, 100.1755**.

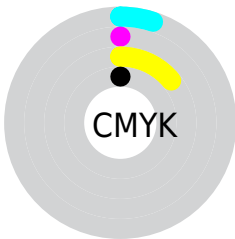
Distribution



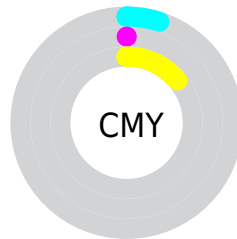
- Red (95%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.1641, 95.5117, 80.9648 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 85.1641, 95.5117, 80.9648 by changing the saturation by 10% instead.


 85.1641, 95.5117,
80.9648

 85.1641, 95.5117,
80.9648


500.6464,
545.8018, 517.9706

 64.2999, 72.5609,
59.9818


139.5153,
154.9713, 136.5450

 47.1562, 53.6170,
42.9787


173.7330,
192.2490, 171.9792

 33.3676, 38.2956,
29.5372


213.1326,
235.0711, 213.0676

 22.5688, 26.2122,
19.2385

258.0794,
283.8220, 260.2286

 14.3944, 16.9824,
11.6642

308.9389,
338.8862, 313.8809

 8.4790, 10.2220,
6.3957

366.0763,

 4.4573, 5.5464,

400.6479, 374.4430

3.0145

429.8570,
469.4917, 442.3334

■ 1.9640, 2.5713,
1.1020

■ 0.6136, 0.9122,
0.0000

■ 85.1641, 95.5117,
80.9648

■ 85.1641, 95.5117,
80.9648

■ 78.9784, 92.6815,
64.4729

■ 92.0245, 98.6303,
100.1755

■ 73.4400, 90.1282,
50.5726

95.0500, 100.0000,
108.9000

■ 68.5219, 87.8410,
39.1328

■ 64.1943, 85.8075,
30.0094

■ 60.4247, 84.0145,
23.0432

■ 57.1764, 82.4469,
18.0549

■ 54.4072, 81.0878,
14.8365

■ 52.0663, 79.9162,
13.1332

■ 50.8476, 79.2979,
12.6261

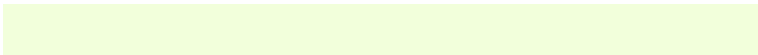
Harmonies

Analogous

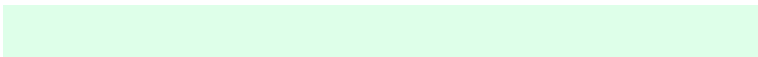
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1748, 95.5117, 76.9140



85.1641, 95.5117, 80.9648



81.7679, 95.5117, 91.1485

Triad

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



85.1641, 95.5117, 80.9648



86.1766, 95.5117, 133.0669



101.6063, 95.5117, 102.2656

Complementary

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



85.1641, 95.5117, 80.9648



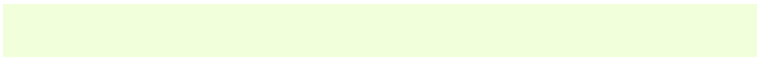
76.6611, 75.0401, 105.0514

Split Complementary

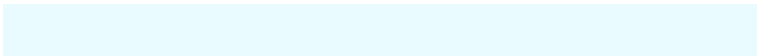
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4332, 95.5117, 117.9973



85.1641, 95.5117, 80.9648



91.3900, 95.5117, 136.7885

Square

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



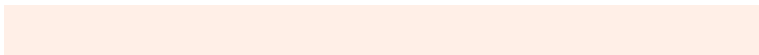
85.1641, 95.5117, 80.9648



82.3359, 95.5117, 121.3065



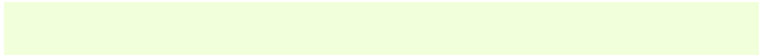
96.6396, 95.5117, 131.0266



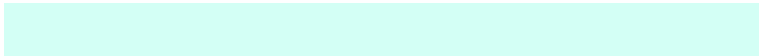
99.7847, 95.5117, 88.4160

Rectangle

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



85.1641, 95.5117, 80.9648



80.8021, 95.5117, 100.5654



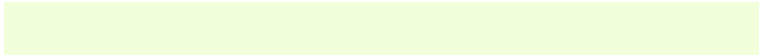
96.6396, 95.5117, 131.0266



101.5494, 95.5117, 107.5038

Sweetspot

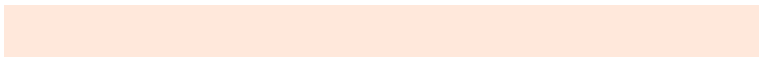
The Sweet Spot groups the original color and five complimentary colors.



85.1647, 95.5120, 80.9662



92.1088, 98.6685, 100.4165



82.7710, 83.8636, 78.8440



19.5994, 21.0667, 21.1627



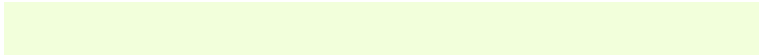
0.0000, 0.0000, 0.0000



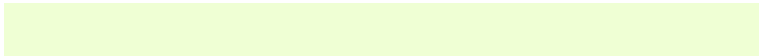
20.3446, 21.4041, 23.3091

Same Dimension

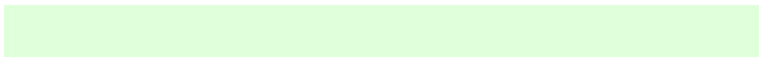
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1647, 95.5120, 80.9662



83.3131, 94.6669, 75.9376



79.4116, 92.5461, 80.6970



18.8877, 20.7436, 19.1527



26.7382, 41.5221, 6.6053



2.7230, 4.1045, 0.6487

Inverse Universe

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



76.6611, 75.0401, 105.0514



73.2806, 70.5125, 104.3557



82.6633, 78.1343, 105.3323



17.6221, 17.6969, 22.7370



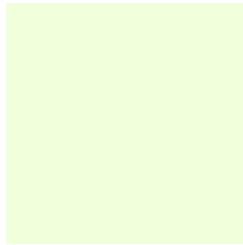
11.8901, 5.0400, 49.7807



1.2721, 0.5497, 4.8523

Previews

White Background



This preview shows how the XYZ color 85.1641, 95.5117, 80.9648 looks on a white background.

Color Contrast Check

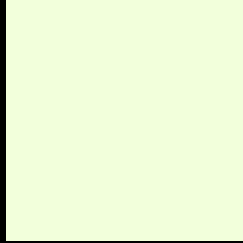
Large Text (above 18pt) WCAG AA × Fail

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 85.1641, 95.5117, 80.9648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

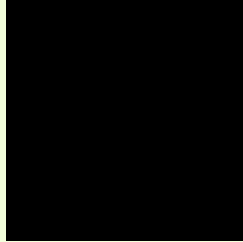
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

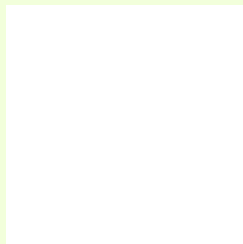
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.1641, 95.5117, 80.9648

Background



This preview shows how black text looks on a background with the XYZ color 85.1641, 95.5117, 80.9648.



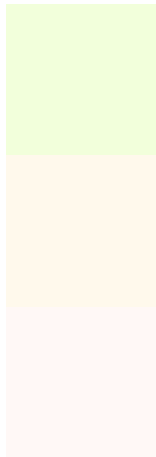
This preview shows how white text looks on a background with the XYZ color 85.1641, 95.5117,

80.9648.

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

85.1641, 95.5117, 80.9648

Protanopia

90.2560, 95.0675, 92.9497

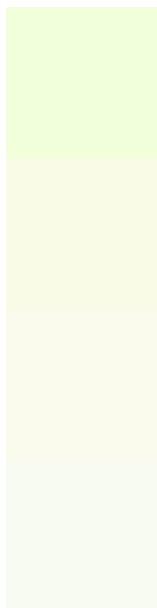
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

91.3500, 95.2954, 108.1869

Trichromacy



Original Color

85.1641, 95.5117, 80.9648

Protanomaly

88.2044, 95.0315, 88.5570

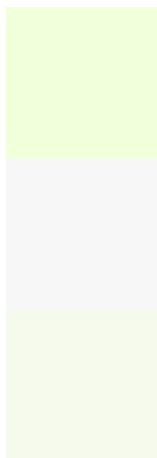
Deuteranomaly

89.0618, 95.3745, 93.0719

Tritanomaly

88.8820, 95.1793, 97.6913

Monochromacy



Original Color

85.1641, 95.5117, 80.9648

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.1279, 93.8981, 93.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1641, 95.5117, 80.9648 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 85.1641, 95.5117, 80.9648 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, 219) }
```


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

```
.border{ border-color:rgb(242, 255, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1641, 95.5117, 80.9648 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, 219) }
```

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

```
.background{ background-color: rgb(242,  
255, 219) }
```

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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