

Converting Colors

XYZ(90.1191, 108.0604,
83.8361)

Have a look what the booklet for
XYZ(90.1191, 108.0604, 83.8361)
contains.

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Color

**XYZ(83.2703, 94.5202,
81.5655)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFDC
RGB	236, 255, 220
RGB Percent	93%, 100%, 86%
CMY	0.0745, 0.0000, 0.1372
CMYK	0.07, 0.00, 0.14, 0.00
HSL	93°, 100%, 93%
HSV	93°, 14%, 100%
XYZ	83.2703, 94.5202, 81.5655
YIQ	245.3290, -0.0890, -14.9130

Conversions

Conversions Part 2

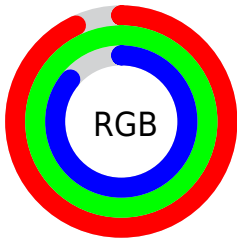
Format	Color
R _{YB}	220, 255, 239
Decimal	15531996
CIE _{Lab}	97.84, -12.26, 14.64
CIE _{LCh}	98, 19.095, 129.954
Y _{xy}	94.5202, 0.3211, 0.3644
Android (android.graphics.Color)	4293722076 (0xFFE _C FFDC)
Y _{UV}	245.3290, -12.4872, -8.1815
Hunter-Lab	97.2215, -17.2522, 18.3128

Details

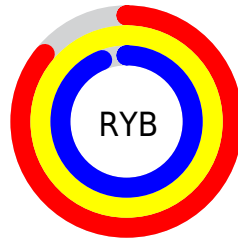
The XYZ color **83.2703, 94.5202, 81.5655** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.2406, 76.7583, 105.2471**, and the grayscale version is **87.1528, 91.6915, 99.8520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8080, 52.8081, 43.3759** is the 20% darker color. If you saturate the color by 10%, you get **75.7268, 90.9922, 64.9070**, and if you desaturate by 10%, it is **91.6866, 98.4384, 100.9566**.

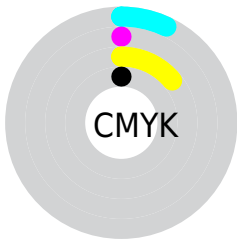
Distribution



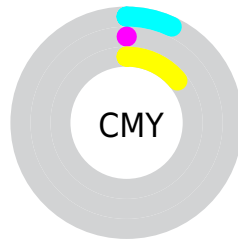
- Red (93%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2703, 94.5202, 81.5655 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 83.2703, 94.5202, 81.5655 by changing the saturation by 10% instead.


 83.2703, 94.5202,
81.5655

 83.2703, 94.5202,
81.5655


494.4572,
542.6278, 520.0384

 62.7308, 71.7357,
60.4737


136.8805,
153.6016, 137.3957

 45.8813, 52.9428,
43.3728


170.6820,
190.6672, 172.9713

 32.3564, 37.7571,
29.8442


209.6349,
233.2621, 214.2118

 21.7907, 25.7942,
19.4693

254.1044,
281.7705, 261.5359

 13.8190, 16.6698,
11.8296

304.4561,
336.5769, 315.3620

 8.0757, 9.9993,
6.5066

361.0552,

 4.1956, 5.3985,

398.0656, 376.1088

3.0818

424.2672,
466.6212, 444.1947

■ 1.8134, 2.4829,
1.1366

■ 0.5257, 0.8681,
0.0000

■ 83.2703, 94.5202,
81.5655

■ 83.2703, 94.5202,
81.5655

■ 75.7268, 90.9922,
64.9070

■ 91.6866, 98.4384,
100.9566

■ 69.0228, 87.8403,
50.8541

95.0500, 100.0000,
108.9000

■ 63.1256, 85.0504,
39.2757

■ 57.9994, 82.6071,
30.0280

■ 53.6051, 80.4938,
22.9522

■ 49.8994, 78.6921,
17.8696

■ 46.8334, 77.1813,
14.5731

■ 44.3487, 75.9368,
12.8101

■ 43.0386, 75.2723,
12.2606

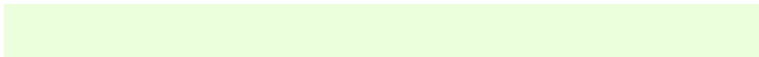
Harmonies

Analogous

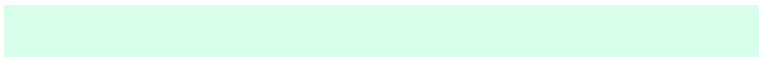
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0378, 94.5202, 76.0756



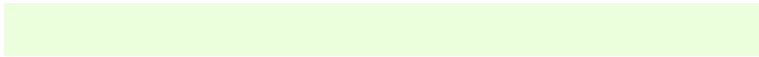
83.2703, 94.5202, 81.5655



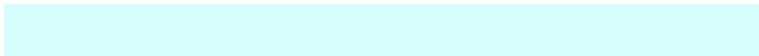
80.3416, 94.5202, 92.9600

Triad

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



83.2703, 94.5202, 81.5655



86.2913, 94.5202, 133.7915



100.5699, 94.5202, 97.8110

Complementary

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



83.2703, 94.5202, 81.5655



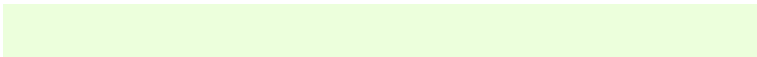
79.2406, 76.7583, 105.2471

Split Complementary

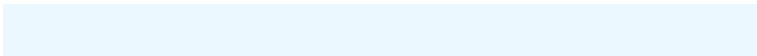
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0560, 94.5202, 113.5596



83.2703, 94.5202, 81.5655



91.6638, 94.5202, 135.4271

Square

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



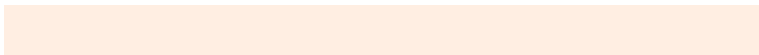
83.2703, 94.5202, 81.5655



82.0363, 94.5202, 123.4358



96.7436, 94.5202, 127.7017



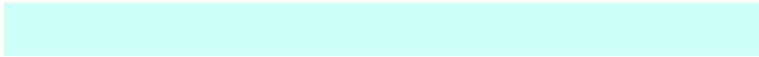
98.1206, 94.5202, 84.8072

Rectangle

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



83.2703, 94.5202, 81.5655



79.7533, 94.5202, 102.8924



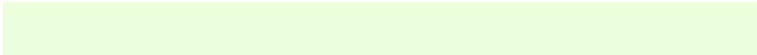
96.7436, 94.5202, 127.7017



100.7402, 94.5202, 102.9405

Sweetspot

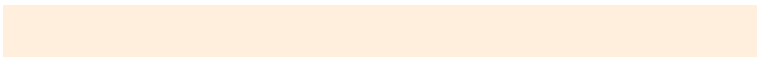
The Sweet Spot groups the original color and five complimentary colors.



83.2709, 94.5205, 81.5669



91.4430, 98.3253, 100.3853



84.9278, 87.9659, 80.2144



19.4308, 20.9798, 21.1548



0.0000, 0.0000, 0.0000



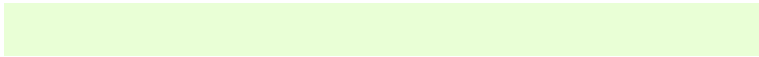
20.3446, 21.4041, 23.3091

Same Dimension

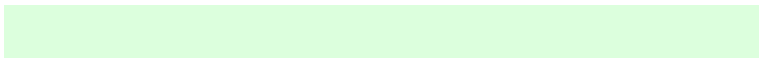
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2709, 94.5205, 81.5669



81.4789, 93.6839, 77.5407



78.3494, 91.9654, 82.1460



18.5605, 20.5748, 19.1374



22.6560, 39.4177, 6.4143



2.3301, 3.9020, 0.6303

Inverse Universe

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



79.2406, 76.7583, 105.2471



76.8552, 73.3070, 104.7067



84.6964, 79.5925, 104.5250



17.9453, 17.8635, 22.7521



15.1197, 6.7050, 49.9319



1.5982, 0.7178, 4.8676

Previews

White Background



This preview shows how the XYZ color 83.2703, 94.5202, 81.5655 looks on a white background.

Color Contrast Check

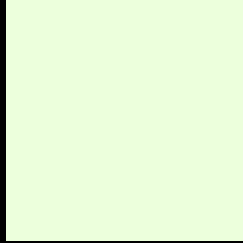
Large Text (above 18pt) WCAG AA × Fail

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 83.2703, 94.5202, 81.5655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

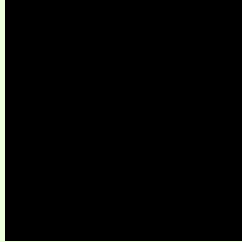
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

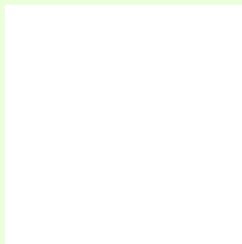
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2703, 94.5202, 81.5655

Background



This preview shows how black text looks on a background with the XYZ color 83.2703, 94.5202, 81.5655.



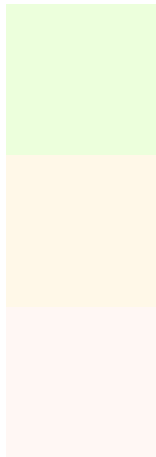
This preview shows how white text looks on a background with the XYZ color 83.2703, 94.5202,

81.5655.

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

83.2703, 94.5202, 81.5655

Protanopia

89.3729, 94.2210, 89.8199

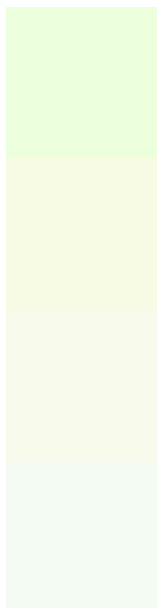
Deuteranopia

90.8299, 94.3132, 99.0050

Tritanopia

89.9752, 94.1290, 108.0342

Trichromacy



Original Color

83.2703, 94.5202, 81.5655

Protanomaly

87.2122, 94.5523, 87.0526

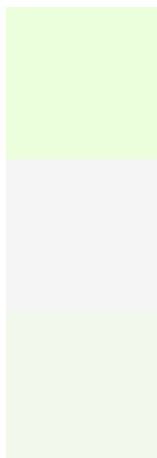
Deuteranomaly

87.8924, 94.3258, 92.1715

Tritanomaly

87.4863, 94.4599, 97.6260

Monochromacy



Original Color

83.2703, 94.5202, 81.5655

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6340, 92.6847, 92.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2703, 94.5202, 81.5655 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 83.2703, 94.5202, 81.5655 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, 220) }
```


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

```
.border{ border-color:rgb(236, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2703, 94.5202, 81.5655 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, 220) }
```

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

```
.background{ background-color: rgb(236,  
255, 220) }
```

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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