

Converting Colors

XYZ(87.8870, 100.0000,
82.5846)

Have a look what the booklet for
XYZ(87.8870, 100.0000, 82.5846)
contains.

XYZ(85.6404, 95.7420, 81.6765)	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(85.6404, 95.7420,
81.6765)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFDC
RGB	243, 255, 220
RGB Percent	95%, 100%, 86%
CMY	0.0471, 0.0000, 0.1372
CMYK	0.05, 0.00, 0.14, 0.00
HSL	81°, 100%, 93%
HSV	81°, 14%, 100%
XYZ	85.6404, 95.7420, 81.6765
YIQ	247.4220, 4.0830, -13.4290

Conversions

Conversions Part 2

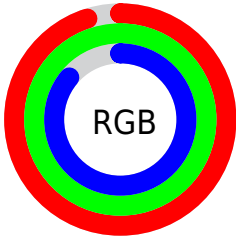
Format	Color
R _Y B	220, 255, 232
Decimal	15990748
CIE Lab	98.33, -9.87, 15.40
CIE LCh	98, 18.290, 122.663
Yxy	95.7420, 0.3256, 0.3640
Android (android.graphics.Color)	4294180828 (0xFFFF3FFDC)
YUV	247.4220, -13.5190, -3.8781
Hunter-Lab	97.8478, -15.0033, 19.0024

Details

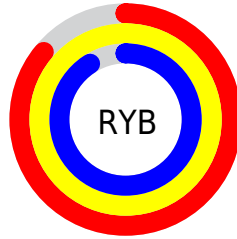
The XYZ color **85.6404, 95.7420, 81.6765** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.9228, 75.5635, 105.1387**, and the grayscale version is **88.8552, 93.4826, 101.8025**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4791, 53.6696, 43.4542** is the 20% darker color. If you saturate the color by 10%, you get **79.5707, 92.9738, 65.0870**, and if you desaturate by 10%, it is **92.3703, 98.7909, 100.9887**.

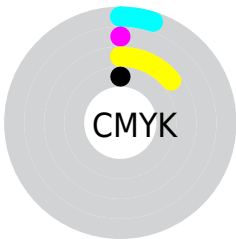
Distribution



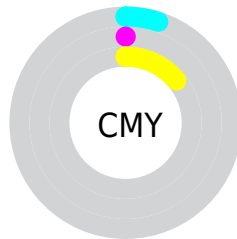
- Red (95%)
- Green (100%)
- Blue (86%)



- 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 85.6404, 95.7420, 81.6765 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 85.6404, 95.7420, 81.6765 by changing the saturation by 10% instead.


 85.6404, 95.7420,
81.6765

 85.6404, 95.7420,
81.6765


502.1965,
546.5377, 520.4200

 64.6949, 72.7527,
60.5647


140.1770,
155.2893, 137.5529

 47.4775, 53.7738,
43.4457


174.4988,
192.6161, 173.1545

 33.6228, 38.4208,
29.9010


214.0101,
235.4908, 214.4231

 22.7655, 26.3095,
19.5120

259.0763,
284.2979, 261.7772

 14.5402, 17.0553,
11.8603

310.0626,
339.4218, 315.6354

 8.5815, 10.2739,
6.5272

367.3346,

 4.5242, 5.5810,

401.2468, 376.4163

3.0943

431.2574,
470.1573, 444.5383

■ 2.0027, 2.5920,
1.1430

■ 0.6355, 0.9226,
0.0000

■ 85.6404, 95.7420,
81.6765

■ 85.6404, 95.7420,
81.6765

■ 79.5707, 92.9738,
65.0870

■ 92.3703, 98.7909,
100.9887

■ 74.1340, 90.4752,
51.0933

95.0500, 100.0000,
108.9000

■ 69.3039, 88.2354,
39.5649

■ 65.0511, 86.2424,
30.3581

■ 61.3434, 84.4830,
23.3144

■ 58.1448, 82.9428,
18.2555

■ 55.4139, 81.6047,
14.9747

■ 53.1004, 80.4485,
13.2197

■ 51.8178, 79.7981,
12.6715

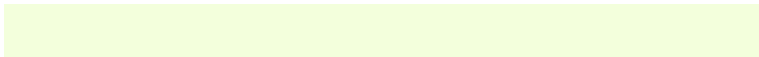
Harmonies

Analogous

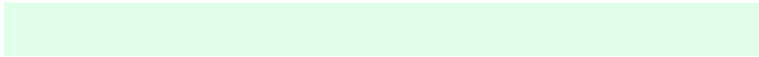
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5299, 95.7420, 77.8640



85.6404, 95.7420, 81.6765



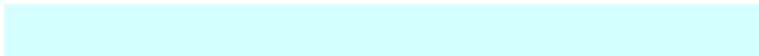
82.2928, 95.7420, 91.4810

Triad

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



85.6404, 95.7420, 81.6765



86.4259, 95.7420, 132.2068



101.5010, 95.7420, 102.9043

Complementary

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



85.6404, 95.7420, 81.6765



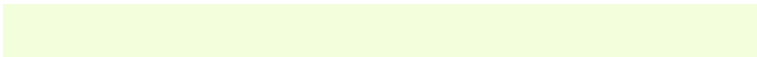
76.9228, 75.5635, 105.1387

Split Complementary

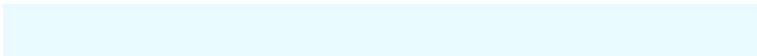
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3005, 95.7420, 118.1481



85.6404, 95.7420, 81.6765



91.4715, 95.7420, 136.0027

Square

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



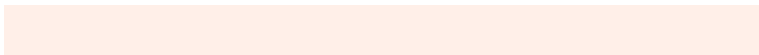
85.6404, 95.7420, 81.6765



82.7338, 95.7420, 120.7049



96.5785, 95.7420, 130.6334



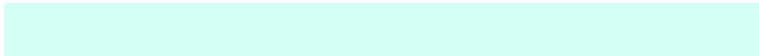
99.7990, 95.7420, 89.3571

Rectangle

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



85.6404, 95.7420, 81.6765



81.3161, 95.7420, 100.5849



96.5785, 95.7420, 130.6334



101.4235, 95.7420, 107.9965

Sweetspot

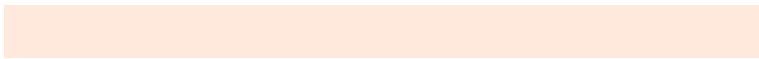
The Sweet Spot groups the original color and five complimentary colors.



85.6410, 95.7423, 81.6779



92.1760, 98.7031, 100.4196



82.9218, 83.9539, 79.5459



19.6164, 21.0754, 21.1634



0.0000, 0.0000, 0.0000



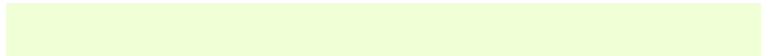
20.3446, 21.4041, 23.3091

Same Dimension

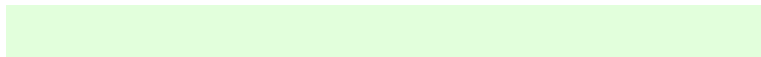
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6410, 95.7423, 81.6779



84.2028, 95.0881, 77.6682



79.9909, 92.8295, 81.4135



18.9211, 20.7607, 19.1543



27.2425, 41.7821, 6.6289



2.7698, 4.1287, 0.6509

Inverse Universe

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



76.9228, 75.5635, 105.1387



74.2019, 71.9392, 104.5825



82.7702, 78.5779, 105.4123



17.5901, 17.6804, 22.7355



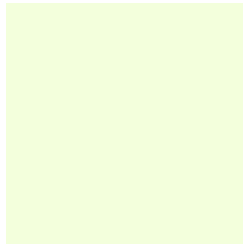
11.6494, 4.9160, 49.7695



1.2460, 0.5363, 4.8511

Previews

White Background



This preview shows how the XYZ color 85.6404, 95.7420, 81.6765 looks on a white background.

Color Contrast Check

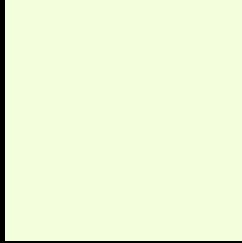
Large Text (above 18pt) WCAG AA × Fail

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 85.6404, 95.7420, 81.6765 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

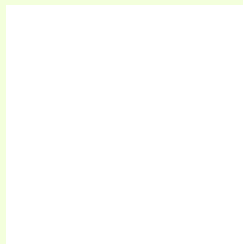
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.6404, 95.7420, 81.6765

Background



This preview shows how black text looks on a background with the XYZ color 85.6404, 95.7420, 81.6765.



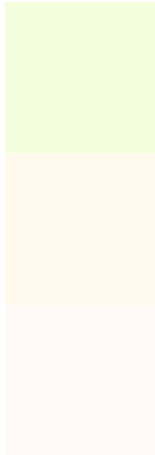
This preview shows how white text looks on a background with the XYZ color 85.6404, 95.7420,

81.6765.

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

85.6404, 95.7420, 81.6765

Protanopia

90.7117, 95.7456, 93.8205

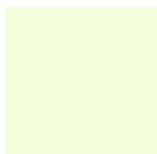
Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

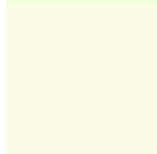
91.6599, 95.9152, 108.2902

Trichromacy



Original Color

85.6404, 95.7420, 81.6765



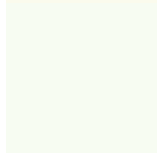
Protanomaly

89.0179, 95.8996, 89.4200



Deuteranomaly

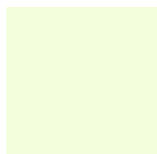
89.5669, 95.6180, 93.8562



Tritanomaly

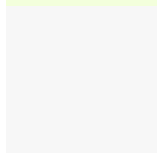
89.1952, 95.8058, 97.7957

Monochromacy



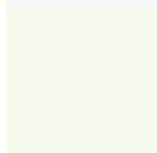
Original Color

85.6404, 95.7420, 81.6765



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.4777, 94.0785, 93.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6404, 95.7420, 81.6765 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(243, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 85.6404, 95.7420, 81.6765 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(243, 255, 220) }
```


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

```
.border{ border-color:rgb(243, 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(243, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6404, 95.7420, 81.6765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 220) }
```

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

```
.background{ background-color: rgb(243,  
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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