

Converting Colors

XYZ(88.6946, 100.0000,
80.9304)

Have a look what the booklet for
XYZ(88.6946, 100.0000, 80.9304)
contains.

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Color

**XYZ(86.7727, 96.3561,
80.3548)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FFDA
RGB	247, 255, 218
RGB Percent	97%, 100%, 85%
CMY	0.0314, 0.0000, 0.1451
CMYK	0.03, 0.00, 0.15, 0.00
HSL	73°, 100%, 93%
HSV	73°, 15%, 100%
XYZ	86.7727, 96.3561, 80.3548
YIQ	248.3900, 7.1090, -13.2030

Conversions

Conversions Part 2

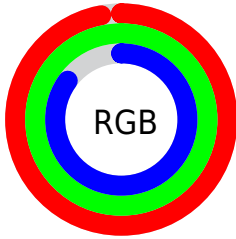
Format	Color
R _Y B	218, 255, 226
Decimal	16252890
CIE Lab	98.57, -8.80, 16.80
CIE LCh	99, 18.970, 117.650
Yxy	96.3561, 0.3293, 0.3657
Android (android.graphics.Color)	4294442970 (0xFFFF7FFDA)
YUV	248.3900, -14.9823, -1.2190
Hunter-Lab	98.1611, -13.9912, 20.1780

Details

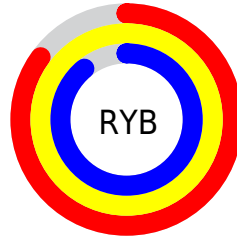
The XYZ color **86.7727, 96.3561, 80.3548** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.4862, 73.5327, 104.8751**, and the grayscale version is **89.6563, 94.3254, 102.7204**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2908, 54.1089, 42.5492** is the 20% darker color. If you saturate the color by 10%, you get **81.7727, 94.1349, 64.0212**, and if you desaturate by 10%, it is **92.3450, 98.8130, 99.3977**.

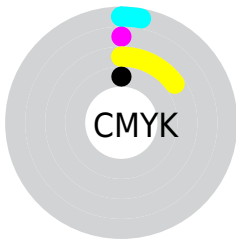
Distribution



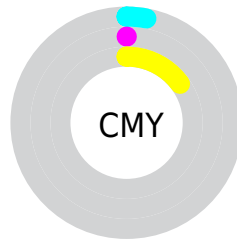
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7727, 96.3561, 80.3548 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 86.7727, 96.3561, 80.3548 by changing the saturation by 10% instead.


 86.7727, 96.3561,
80.3548

 86.7727, 96.3561,
80.3548


505.8714,
548.4973, 515.8660

 65.6345, 73.2642,
59.4825


141.7486,
156.1368, 135.6803

 48.2424, 54.1920,
42.5791


176.3170,
193.5943, 170.9707

 34.2309, 38.7552,
29.2260


216.0928,
236.6092, 211.9040

 23.2348, 26.5693,
19.0048

261.4415,
285.5658, 258.8990

 14.8886, 17.2500,
11.4969

312.7284,
340.8485, 312.3742

 8.8271, 10.4129,
6.2838

370.3187,

 4.6848, 5.6736,

402.8417, 372.7480

2.9468

434.5780,
471.9299, 440.4391

■ 2.0964, 2.6476,
1.0675

■ 0.6872, 0.9507,
0.0000

■ 86.7727, 96.3561,
80.3548

■ 86.7727, 96.3561,
80.3548

■ 81.7727, 94.1349,
64.0212


■ 92.3450, 98.8130,
99.3977


■ 77.3191, 92.1387,
50.2696


95.0500, 100.0000,
108.9000


■ 73.3868, 90.3576,
38.9684


■ 69.9480, 88.7804,
29.9733

 66.9718, 87.3946,
23.1243

 64.4234, 86.1863,
18.2415

 62.2625, 85.1393,
15.1153

 60.4399, 84.2338,
13.4888

 59.5448, 83.7815,
13.0331

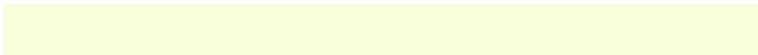
Harmonies

Analogous

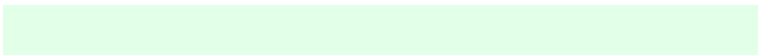
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0170, 96.3561, 77.5206



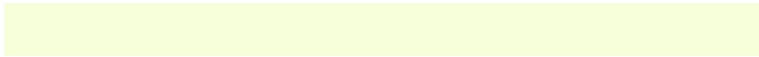
86.7727, 96.3561, 80.3548



82.9540, 96.3561, 89.5590

Triad

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



86.7727, 96.3561, 80.3548



86.0516, 96.3561, 132.5770



102.5384, 96.3561, 106.1597

Complementary

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



86.7727, 96.3561, 80.3548



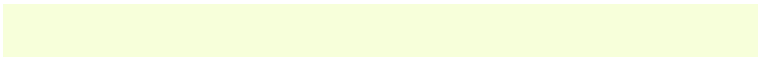
74.4862, 73.5327, 104.8751

Split Complementary

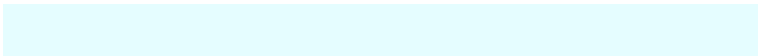
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7918, 96.3561, 121.9340



86.7727, 96.3561, 80.3548



91.1515, 96.3561, 138.1056

Square

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



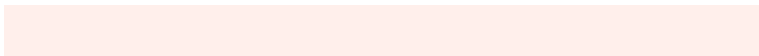
86.7727, 96.3561, 80.3548



82.5495, 96.3561, 119.5763



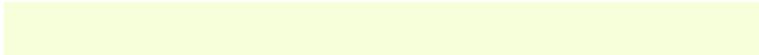
96.5691, 96.3561, 134.0309



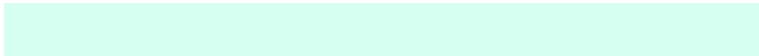
101.2538, 96.3561, 91.5047

Rectangle

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



86.7727, 96.3561, 80.3548



81.6560, 96.3561, 98.5826



96.5691, 96.3561, 134.0309



102.2848, 96.3561, 111.5138

Sweetspot

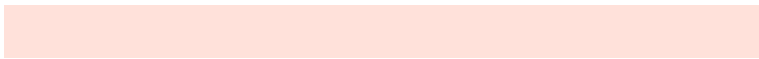
The Sweet Spot groups the original color and five complimentary colors.



86.7733, 96.3564, 80.3562



92.6443, 98.9445, 100.4415



80.9291, 80.3899, 77.5824



19.7351, 21.1366, 21.1690



0.0000, 0.0000, 0.0000



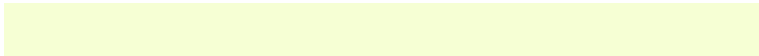
20.3446, 21.4041, 23.3091

Same Dimension

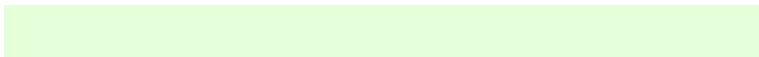
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7733, 96.3564, 80.3562



85.4752, 95.7814, 76.0388



80.7606, 93.2568, 80.0748



19.1543, 20.8810, 19.1652



31.2451, 43.8455, 6.8162



3.1331, 4.3159, 0.6679

Inverse Universe

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



74.4862, 73.5327, 104.8751



71.3316, 69.5078, 104.2645



80.3957, 76.5791, 105.1517



17.3701, 17.5670, 22.7252



10.3599, 4.2512, 49.7091



1.0961, 0.4590, 4.8441

Previews

White Background



This preview shows how the XYZ color 86.7727, 96.3561, 80.3548 looks on a white background.

Color Contrast Check

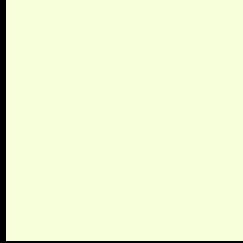
Large Text (above 18pt) WCAG AA × Fail

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 86.7727, 96.3561, 80.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

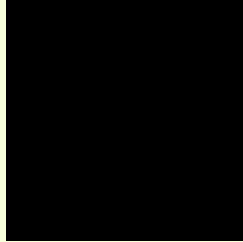
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7727, 96.3561, 80.3548

Background



This preview shows how black text looks on a background with the XYZ color 86.7727, 96.3561, 80.3548.



This preview shows how white text looks on a background with the XYZ color 86.7727, 96.3561,

80.3548.

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

86.7727, 96.3561, 80.3548



Protanopia

91.4654, 96.5456, 96.2525

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

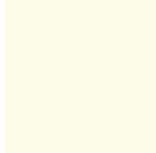
92.3805, 96.2867, 108.3240

Trichromacy



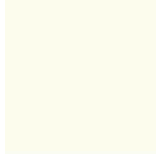
Original Color

86.7727, 96.3561, 80.3548



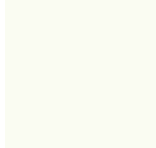
Protanomaly

89.5208, 96.1424, 90.1830



Deuteranomaly

90.2413, 96.4307, 93.9775



Tritanomaly

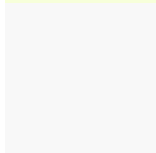
90.2618, 96.3556, 97.8456

Monochromacy



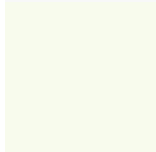
Original Color

86.7727, 96.3561, 80.3548



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.4946, 95.0652, 93.8060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7727, 96.3561, 80.3548 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(247, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 86.7727, 96.3561, 80.3548 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(247, 255, 218) }
```


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

```
.border{ border-color:rgb(247, 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(247, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7727, 96.3561, 80.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 218) }
```

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

```
.background{ background-color: rgb(247,  
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](#).

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