

Converting Colors

XYZ(88.0786, 100.0000,
74.8799)

Have a look what the booklet for
XYZ(88.0786, 100.0000, 74.8799)
contains.

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Color

**XYZ(86.3355, 96.2632,
74.3519)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFD1
RGB	249, 255, 209
RGB Percent	98%, 100%, 82%
CMY	0.0235, 0.0000, 0.1804
CMYK	0.02, 0.00, 0.18, 0.00
HSL	68°, 100%, 91%
HSV	68°, 18%, 100%
XYZ	86.3355, 96.2632, 74.3519
YIQ	247.9620, 11.1900, -15.5780

Conversions

Conversions Part 2

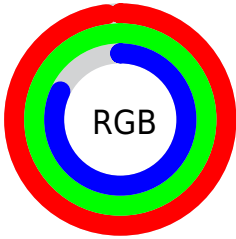
Format	Color
R_{YB}	209, 255, 215
Decimal	16383953
CIE _{Lab}	98.54, -9.46, 21.36
CIE _{LCh}	99, 23.359, 113.891
Yxy	96.2632, 0.3360, 0.3746
Android (android.graphics.Color)	4294574033 (0xFFFF9FFD1)
YUV	247.9620, -19.2083, 0.9103
Hunter-Lab	98.1138, -14.6276, 23.7489

Details

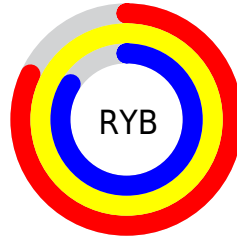
The XYZ color **86.3355, 96.2632, 74.3519** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.8758, 67.2693, 103.9619**, and the grayscale version is **89.3369, 93.9893, 102.3544**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7650, 53.9277, 38.4635** is the 20% darker color. If you saturate the color by 10%, you get **82.2516, 94.4939, 58.9783**, and if you desaturate by 10%, it is **90.9468, 98.2459, 92.3906**.

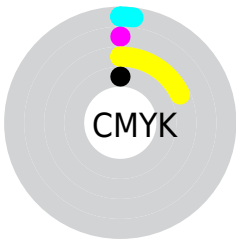
Distribution



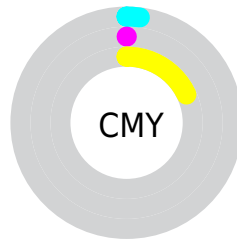
- Red (98%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.3355, 96.2632, 74.3519 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 86.3355, 96.2632, 74.3519 by changing the saturation by 10% instead.


 86.3355, 96.2632,
74.3519

 86.3355, 96.2632,
74.3519


504.4542,
548.2011, 494.8829

 65.2716, 73.1868,
54.5836


141.1420,
156.0086, 127.1332

 47.9469, 54.1287,
38.6721


175.6153,
193.4464, 160.9832

 33.9959, 38.7046,
26.1988


215.2892,
236.4401, 200.3642

 23.0533, 26.5300,
16.7454

260.5290,
285.3741, 245.6947

 14.7538, 17.2205,
9.8931

311.7000,
340.6328, 297.3933

 8.7320, 10.3919,
5.2234

369.1677,

 4.6225, 5.6595,

402.6006, 355.8785

2.3179

433.2973,
471.6619, 421.5688

■ 2.0600, 2.6392,
0.7412

■ 0.6673, 0.9464,
0.0000

■ 86.3355, 96.2632,
74.3519

■ 86.3355, 96.2632,
74.3519

■ 82.2516, 94.4939,
58.9783

■ 90.9468, 98.2459,
92.3906

■ 78.6695, 92.9277,
46.1392

95.0500, 100.0000,
108.9000

■ 75.5636, 91.5544,
35.6995

■ 72.9055, 90.3626,
27.5097

■ 70.6634, 89.3396,
21.4036

■ 68.8014, 88.4710,
17.1920

■ 67.2769, 87.7397,
14.6518

■ 66.0322, 87.1227,
13.4797

■ 65.8049, 87.0087,
13.3261

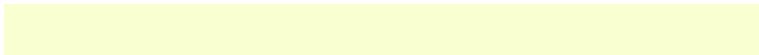
Harmonies

Analogous

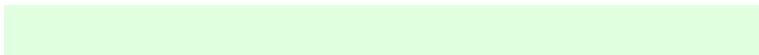
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8843, 96.2632, 72.0100



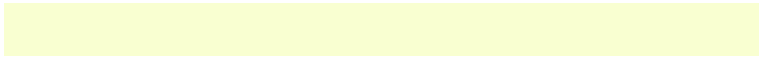
86.3355, 96.2632, 74.3519



81.3988, 96.2632, 84.3872

Triad

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



86.3355, 96.2632, 74.3519



84.0530, 96.2632, 137.8272



105.0260, 96.2632, 108.8223

Complementary

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



86.3355, 96.2632, 74.3519



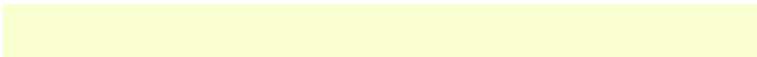
68.8758, 67.2693, 103.9619

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.



102.3940, 96.2632, 128.2973



86.3355, 96.2632, 74.3519



90.1202, 96.2632, 146.3183

Square

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



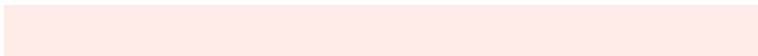
86.3355, 96.2632, 74.3519



80.1270, 96.2632, 120.6115



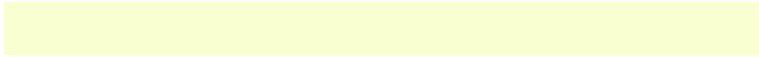
96.8567, 96.2632, 142.6327



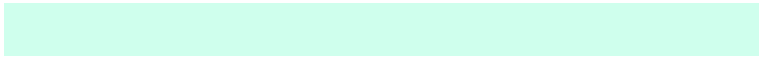
103.8909, 96.2632, 90.4604

Rectangle

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



86.3355, 96.2632, 74.3519



79.5764, 96.2632, 94.8292



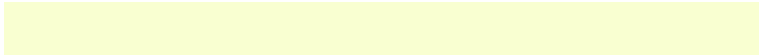
96.8567, 96.2632, 142.6327



104.5485, 96.2632, 115.4767

Sweetspot

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



86.3360, 96.2634, 74.3533



92.4554, 98.8918, 98.4165



76.8888, 74.1435, 70.5816



19.7136, 21.1345, 20.7620



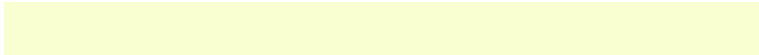
0.0000, 0.0000, 0.0000



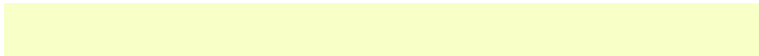
20.3446, 21.4041, 23.3091

Same Dimension

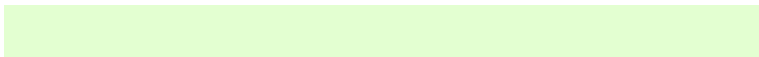
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3360, 96.2634, 74.3533



84.6563, 95.5374, 67.9507



78.8323, 92.3951, 74.0021



19.3144, 20.9635, 19.1727



34.4754, 45.5108, 6.9674



3.4188, 4.4632, 0.6813

Inverse Universe

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



68.8758, 67.2693, 103.9619



63.9643, 61.1737, 103.0442



75.8989, 70.8898, 104.2905



17.2232, 17.4913, 22.7183



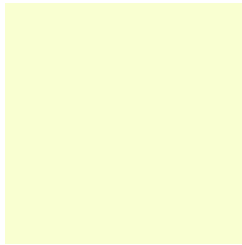
9.8310, 3.9786, 49.6844



1.0224, 0.4210, 4.8406

Previews

White Background



This preview shows how the XYZ color 86.3355, 96.2632, 74.3519 looks on a white background.

Color Contrast Check

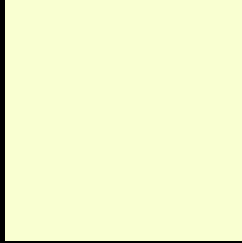
Large Text (above 18pt) WCAG AA × Fail

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 86.3355, 96.2632, 74.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

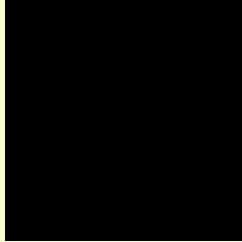
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.3355, 96.2632, 74.3519

Background



This preview shows how black text looks on a background with the XYZ color 86.3355, 96.2632, 74.3519.



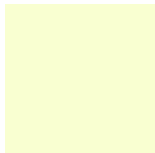
This preview shows how white text looks on a background with the XYZ color 86.3355, 96.2632,

74.3519.

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

86.3355, 96.2632, 74.3519



Protanopia

91.3172, 96.4864, 95.4722

Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

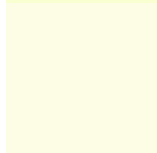
92.3805, 96.2867, 108.3240

Trichromacy



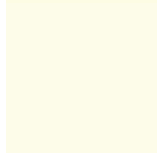
Original Color

86.3355, 96.2632, 74.3519



Protanomaly

89.3220, 96.1049, 87.2411



Deuteranomaly

90.0264, 96.3866, 90.9504



Tritanomaly

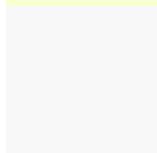
90.0267, 96.3031, 94.7324

Monochromacy



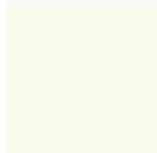
Original Color

86.3355, 96.2632, 74.3519



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.0599, 94.8913, 91.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.3355, 96.2632, 74.3519 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(249, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 209)  
}
```

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(249, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 86.3355, 96.2632, 74.3519 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(249, 255, 209) }
```


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

```
.border{ border-color:rgb(249, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3355, 96.2632, 74.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 209) }
```

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

```
.background{ background-color: rgb(249,  
255, 209) }
```

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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