

Converting Colors

XYZ(95.9853, 100.0000,
83.8768)

Have a look what the booklet for
XYZ(95.9853, 100.0000, 83.8768)
contains.

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Color

**XYZ(89.6846, 96.8383,
83.7768)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDDF
RGB	255, 253, 223
RGB Percent	100%, 99%, 87%
CMY	0.0000, 0.0078, 0.1255
CMYK	0.00, 0.01, 0.13, 0.00
HSL	56°, 100%, 94%
HSV	56°, 13%, 100%
XYZ	89.6846, 96.8383, 83.7768
YIQ	250.1780, 10.8220, -8.9060

Conversions

Conversions Part 2

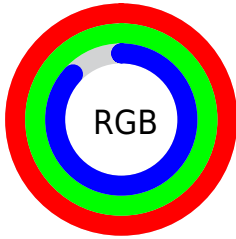
Format	Color
R _Y B	225, 255, 223
Decimal	16776671
CIE Lab	98.76, -4.26, 14.60
CIE LCh	99, 15.211, 106.262
Yxy	96.8383, 0.3318, 0.3583
Android (android.graphics.Color)	4294966751 (0xFFFFFDDF)
YUV	250.1780, -13.3988, 4.2289
Hunter-Lab	98.4065, -9.5319, 18.4089

Details

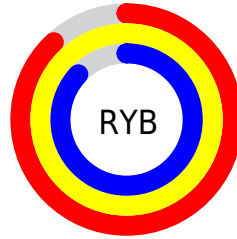
The XYZ color **89.6846, 96.8383, 83.7768** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.4061, 76.7564, 105.4489**, and the grayscale version is **91.1165, 95.8617, 104.3933**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.0965, 54.3128, 44.8888** is the 20% darker color. If you saturate the color by 10%, you get **86.0034, 94.5697, 66.8463**, and if you desaturate by 10%, it is **93.8923, 99.3305, 103.4398**.

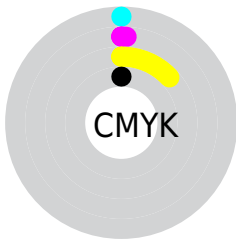
Distribution



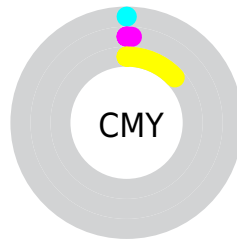
- Red (100%)
- Green (99%)
- Blue (87%)



- Red (88%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.6846, 96.8383, 83.7768 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 89.6846, 96.8383, 83.7768 by changing the saturation by 10% instead.


 89.6846, 96.8383,
83.7768

 89.6846, 96.8383,
83.7768


515.2575,
550.0335, 527.6104

 68.0545, 73.6659,
62.2869


145.7808,
156.8019, 140.5219

 50.2159, 54.5207,
44.8272

180.9776,
194.3618, 176.6140

 35.8035, 39.0181,
30.9794


221.4273,
237.4865, 218.4107

 24.4519, 26.7738,
20.3248

267.4953,
286.5602, 266.3304

 15.7957, 17.4034,
12.4450

319.5470,
341.9674, 320.7917

 9.4696, 10.5225,
6.9213

377.9477,

 5.1083, 5.7468,

404.0924, 382.2131

3.3352

443.0628,
473.3196, 451.0132

■ 2.3464, 2.6917,
1.2682

■ 0.8182, 0.9730,
0.0356

■ 89.6846, 96.8383,
83.7768

■ 89.6846, 96.8383,
83.7768

■ 86.0034, 94.5697,
66.8463

■ 93.8923, 99.3305,
103.4398

■ 82.8190, 92.5034,
52.5206

95.0500, 100.0000,
108.9000

■ 80.1086, 90.6333,
40.6711

■ 77.8454, 88.9488,
31.1557

■ 75.9997, 87.4378,
23.8181

■ 74.5380, 86.0871,
18.4826

■ 73.4219, 84.8812,
14.9466

■ 72.6048, 83.8014,
12.9648

■ 72.1392, 83.0584,
12.2297

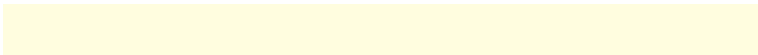
Harmonies

Analogous

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



94.0730, 96.8383, 83.5391



89.6846, 96.8383, 83.7768



86.0425, 96.8383, 89.5064

Triad

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



89.6846, 96.8383, 83.7768



86.2956, 96.8383, 124.0037



100.5386, 96.8383, 111.3212

Complementary

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



89.6846, 96.8383, 83.7768



75.4061, 76.7564, 105.4489

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.



98.3139, 96.8383, 123.1615



89.6846, 96.8383, 83.7768



90.0402, 96.8383, 130.8696

Square

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



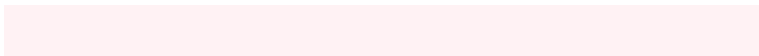
89.6846, 96.8383, 83.7768



84.1291, 96.8383, 112.3977



94.4401, 96.8383, 130.5496



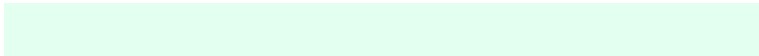
100.4359, 96.8383, 98.7764

Rectangle

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



89.6846, 96.8383, 83.7768



84.4862, 96.8383, 95.9515



94.4401, 96.8383, 130.5496



100.0352, 96.8383, 115.5353

Sweetspot

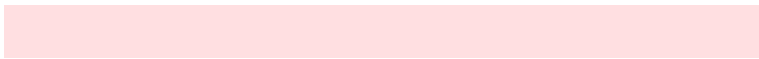
The Sweet Spot groups the original color and five complimentary colors.



89.6868, 96.8424, 83.7789



93.2485, 98.9555, 100.4118



81.2373, 79.4800, 82.3904



19.8886, 21.1394, 21.1614



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

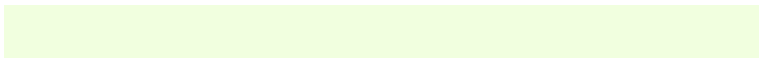
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6868, 96.8424, 83.7789



88.7363, 96.2656, 79.3795



85.4010, 95.5722, 83.7596



19.4586, 20.8854, 19.1500



37.7359, 43.4830, 6.4042



3.7024, 4.2901, 0.6329

Inverse Universe

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



75.4061, 76.7564, 105.4489



71.9573, 72.6660, 104.8411



79.3191, 77.9782, 105.4785



17.0938, 17.5593, 22.7383



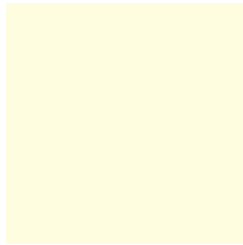
9.5620, 4.0335, 49.7092



0.9614, 0.4536, 4.8501

Previews

White Background



This preview shows how the XYZ color 89.6846, 96.8383, 83.7768 looks on a white background.

Color Contrast Check

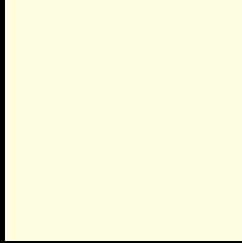
Large Text (above 18pt) WCAG AA × Fail

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 89.6846, 96.8383, 83.7768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

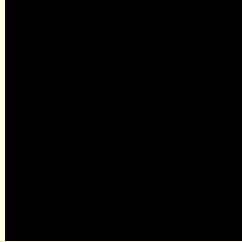
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.6846, 96.8383, 83.7768

Background



This preview shows how black text looks on a background with the XYZ color 89.6846, 96.8383, 83.7768.



This preview shows how white text looks on a background with the XYZ color 89.6846, 96.8383,

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

89.6846, 96.8383, 83.7768



Protanopia

91.9148, 96.7254, 98.6195

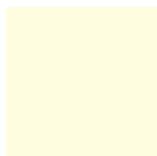
Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

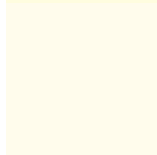
93.1087, 96.6620, 108.3580

Trichromacy



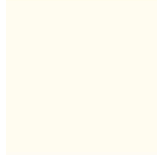
Original Color

89.6846, 96.8383, 83.7768



Protanomaly

91.1907, 96.9369, 93.2613



Deuteranomaly

91.7786, 97.1721, 96.3569



Tritanomaly

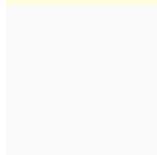
91.5479, 96.5363, 98.6023

Monochromacy



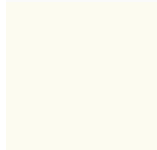
Original Color

89.6846, 96.8383, 83.7768



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.3702, 95.9811, 96.2013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.6846, 96.8383, 83.7768 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(255, 253, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 223)  
}
```

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(255, 253, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 223) }
```

Border

The CSS property to change the border of an element to XYZ 89.6846, 96.8383, 83.7768 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(255, 253, 223) }
```


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

```
.border{ border-color:rgb(255, 253, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 89.6846, 96.8383, 83.7768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 223) }
```

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

```
.background{ background-color: rgb(255,  
253, 223) }
```

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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