

Converting Colors

XYZ(85.4205, 92.3890, 80.3486)

Have a look what the booklet for
XYZ(85.4205, 92.3890, 80.3486)
contains.

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Color

**XYZ(85.4205, 92.3890,
80.3486)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F8DB
RGB	249, 248, 219
RGB Percent	98%, 97%, 86%
CMY	0.0235, 0.0274, 0.1412
CMYK	0.00, 0.00, 0.12, 0.02
HSL	58°, 71%, 92%
HSV	58°, 12%, 98%
XYZ	85.4205, 92.3890, 80.3486
YIQ	244.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

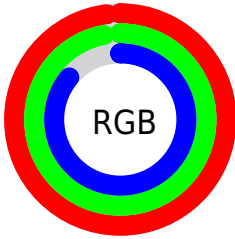
Format	Color
R_{YB}	220, 249, 219
Decimal	16382171
CIE _{Lab}	96.98, -4.46, 14.06
CIE _{LCh}	97, 14.751, 107.613
Yxy	92.3890, 0.3309, 0.3579
Android (android.graphics.Color)	4294572251 (0xFFFF9F8DB)
YUV	244.9930, -12.8145, 3.5141
Hunter-Lab	96.1192, -9.5768, 17.7213

Details

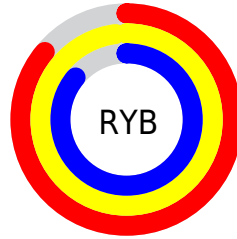
The XYZ color **85.4205, 92.3890, 80.3486** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.9054, 73.0847, 99.9403**, and the grayscale version is **86.8818, 91.4064, 99.5416**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2887, 51.5861, 42.5867** is the 20% darker color. If you saturate the color by 10%, you get **82.1323, 90.6714, 64.2715**, and if you desaturate by 10%, it is **89.2053, 94.3131, 99.0127**.

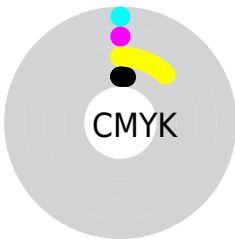
Distribution



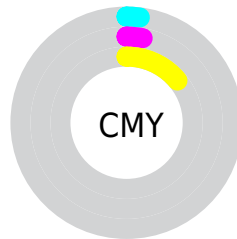
- Red (98%)
- Green (97%)
- Blue (86%)



- Red (86%)
- Yellow (98%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (2%)
- Magenta (3%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4205, 92.3890, 80.3486 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 85.4205, 92.3890, 80.3486 by changing the saturation by 10% instead.


 85.4205, 92.3890,
80.3486

 85.4205, 92.3890,
80.3486

501.4812,
535.7719, 515.8446

 64.5125, 69.9638,
59.4774

139.8715,
150.6524, 135.6716

 47.3292, 51.4970,
42.5750


174.1453,
187.2594, 170.9604

 33.5050, 36.6043,
29.2229


213.6051,
229.3624, 211.8922

 22.6747, 24.9013,
19.0025

258.6162,
277.3459, 258.8855

 14.4728, 16.0035,
11.4952

309.5440,
331.5942, 312.3589

 8.5341, 9.5266,
6.2826

366.7539,

 4.4933, 5.0863,

392.4917, 372.7308

2.9461

430.6111,
460.4228, 440.4199

■ 1.9848, 2.2980,
1.0672

■ 0.6254, 0.7726,
0.0000

■ 85.4205, 92.3890,
80.3486

■ 85.4205, 92.3890,
80.3486

■ 82.1323, 90.6714,
64.2715

■ 89.2053, 94.3131,
99.0127

■ 79.3114, 89.1395,
50.6610


■ 91.1966, 95.5185,
108.2381


■ 76.9370, 87.7880,
39.3964


■ 91.4533, 96.0319,
108.3237


■ 74.9839, 86.6068,
30.3442


■ 91.7111, 96.5476,
108.4096


 73.4240, 85.5847,
23.3577


 91.9701, 97.0655,
108.4959


 72.2262, 84.7091,
18.2724

 92.2301, 97.5856,
108.5826


 71.3546, 83.9658,
14.8988

 92.4913, 98.1081,
108.6697

 70.7656, 83.3374,
13.0086

 92.7537, 98.6327,
108.7571

 70.4467, 82.8987,
12.2881

 92.8773, 98.8799,
108.7983

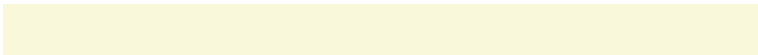
Harmonies

Analogous

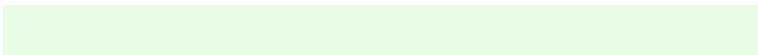
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5358, 92.3890, 79.8852



85.4205, 92.3890, 80.3486



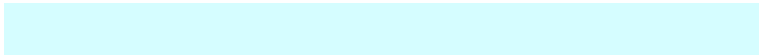
82.0500, 92.3890, 85.9631

Triad

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



85.4205, 92.3890, 80.3486



82.5428, 92.3890, 118.4370



95.8397, 92.3890, 105.5782

Complementary

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



85.4205, 92.3890, 80.3486



71.9054, 73.0847, 99.9403

Split Complementary

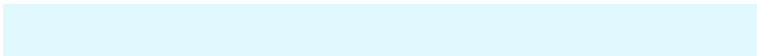
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8396, 92.3890, 116.8016



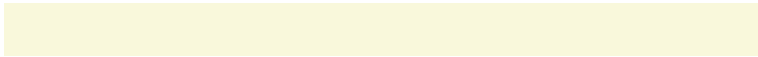
85.4205, 92.3890, 80.3486



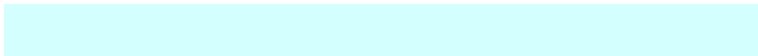
86.1124, 92.3890, 124.6085

Square

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



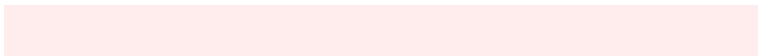
85.4205, 92.3890, 80.3486



80.4249, 92.3890, 107.6706



90.2497, 92.3890, 123.9874



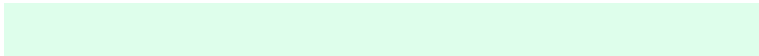
95.6402, 92.3890, 93.8381

Rectangle

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



85.4205, 92.3890, 80.3486



80.6395, 92.3890, 92.1408



90.2497, 92.3890, 123.9874



95.3997, 92.3890, 109.5530

Sweetspot

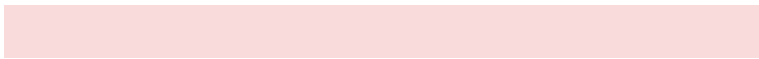
The Sweet Spot groups the original color and five complimentary colors.



85.4230, 92.3931, 80.3506



93.3431, 99.1447, 100.4433



77.3178, 75.9714, 78.3004



19.9126, 21.1875, 21.1695



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.



85.4230, 92.3931, 80.3506



89.4492, 97.1572, 81.2638



80.9239, 90.5290, 80.2279



18.6751, 20.0862, 18.3551



37.7306, 44.4178, 6.5849



3.5095, 4.1439, 0.6149

Inverse Universe

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



71.9054, 73.0847, 99.9403



73.0742, 73.7674, 104.9949



76.0358, 74.8276, 100.0590



16.3292, 16.7352, 21.7549



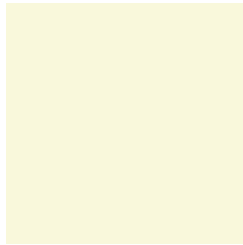
9.2207, 3.7970, 48.2205



0.8697, 0.3831, 4.4713

Previews

White Background



This preview shows how the XYZ color 85.4205, 92.3890, 80.3486 looks on a white background.

Color Contrast Check

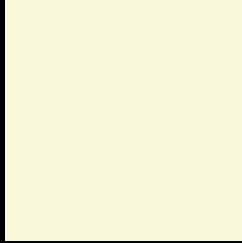
Large Text (above 18pt) WCAG AA × Fail

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 85.4205, 92.3890, 80.3486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

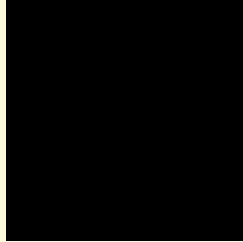
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

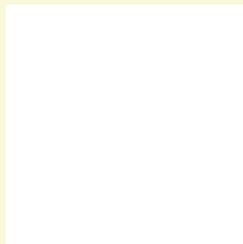
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.4205, 92.3890, 80.3486

Background



This preview shows how black text looks on a background with the XYZ color 85.4205, 92.3890, 80.3486.



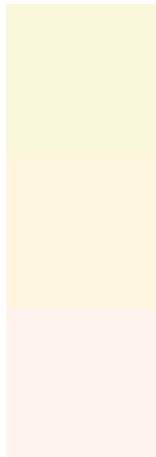
This preview shows how white text looks on a background with the XYZ color 85.4205, 92.3890,

80.3486.

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

85.4205, 92.3890, 80.3486

Protanopia

87.6503, 92.5534, 83.7659

Deuteranopia

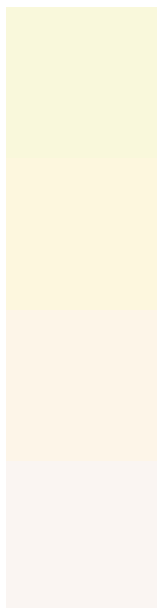
89.3189, 92.2526, 95.5370



Tritanopia

90.1843, 92.4306, 107.6954

Trichromacy



Original Color

85.4205, 92.3890, 80.3486

Protanomaly

86.9536, 92.6781, 82.4130

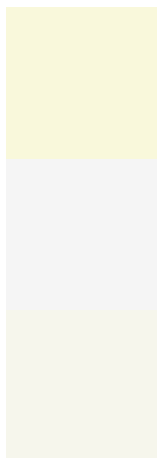
Deuteranomaly

87.7259, 92.0137, 89.4807

Tritanomaly

88.1038, 92.0396, 97.1263

Monochromacy



Original Color

85.4205, 92.3890, 80.3486

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.1021, 91.5605, 92.4918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4205, 92.3890, 80.3486 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, 248, 219)` looks like.

```
.text, #text, p{  
    color:rgb(249, 248, 219)  
}
```

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, 248, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 219) }
```

Border

The CSS property to change the border of an element to XYZ 85.4205, 92.3890, 80.3486 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, 248, 219) }
```


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

```
.border{ border-color:rgb(249, 248, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 248, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 219);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4205, 92.3890, 80.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 219) }
```

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

```
.background{ background-color: rgb(249,  
248, 219) }
```

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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