

Converting Colors

XYZ(97.2196, 100.0000,
64.3394)

Have a look what the booklet for
XYZ(97.2196, 100.0000, 64.3394)
contains.

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Color

**XYZ(85.3628, 94.1046,
64.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBC1
RGB	255, 251, 193
RGB Percent	100%, 98%, 76%
CMY	0.0000, 0.0157, 0.2431
CMYK	0.00, 0.02, 0.24, 0.00
HSL	56°, 100%, 88%
HSV	56°, 24%, 100%
XYZ	85.3628, 94.1046, 64.1170
YIQ	245.5840, 21.0020, -17.1900

Conversions

Conversions Part 2

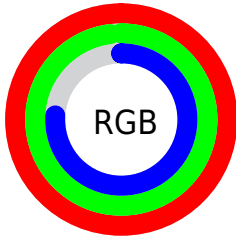
Format	Color
RYB	197, 255, 193
Decimal	16776129
CIELab	97.67, -7.57, 28.35
CIElCh	98, 29.346, 104.944
Yxy	94.1046, 0.3504, 0.3863
Android (android.graphics.Color)	4294966209 (0xFFFFFBC1)
YUV	245.5840, -25.9239, 8.2578
Hunter-Lab	97.0075, -12.6902, 28.7176

Details

The XYZ color **85.3628, 94.1046, 64.1170** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.0082, 58.4884, 102.7344**, and the grayscale version is **87.4542, 92.0086, 100.1974**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **47.4640, 52.9001, 32.1352** is the 20% darker color. If you saturate the color by 10%, you get **82.2498, 92.0452, 50.2346**, and if you desaturate by 10%, it is **88.9753, 96.3774, 80.5880**.

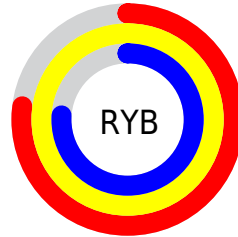
Distribution



Red (100%)

Green (98%)

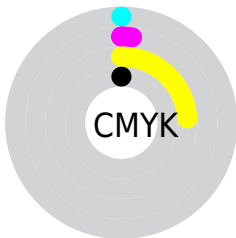
Blue (76%)



Red (77%)

Yellow (100%)

Blue (76%)

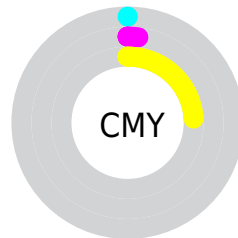


Cyan (0%)

Magenta (2%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.3628, 94.1046, 64.1170 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 85.3628, 94.1046, 64.1170 by changing the saturation by 10% instead.


 85.3628, 94.1046,
64.1170

 85.3628, 94.1046,
64.1170


501.2934,
541.2945, 457.8311

 64.4647, 71.3900,
46.2987


 139.7914,
153.0270, 112.3805

 47.2902, 52.6605,
32.1312


174.0525,
190.0035, 143.6627

 33.4741, 37.5318,
21.1961


213.4988,
232.5028, 180.2700

 22.6508, 25.6195,
13.0748

258.4954,
280.9093, 222.6209

 14.4552, 16.5392,
7.3487

309.4079,
335.6073, 271.1339

 8.5217, 9.9065,
3.5994

366.6014,

 4.4852, 5.3370,

396.9812, 326.2276

1.4083

430.4415,
465.4155, 388.3205

■ 1.9801, 2.4463,
0.1481

■ 0.6227, 0.8496,
0.0000

■ 85.3628, 94.1046,
64.1170

■ 85.3628, 94.1046,
64.1170

■ 82.2498, 92.0452,
50.2346

■ 88.9753, 96.3774,
80.5880

■ 79.6044, 90.1766,
38.8023

■ 93.1039, 98.8606,
99.7647

■ 77.4014, 88.4921,
29.6778

95.0500, 100.0000,
108.9000

■ 75.6105, 86.9795,
22.7017

■ 74.1976, 85.6252,
17.6943

■ 73.1231, 84.4132,
14.4471

■ 72.3383, 83.3242,
12.7041

■ 71.9820, 82.7440,
12.1773

Harmonies

Analogous

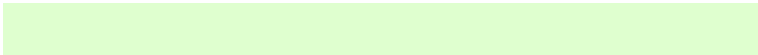
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6835, 94.1046, 64.1339



85.3628, 94.1046, 64.1170



78.5641, 94.1046, 73.2170

Triad

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



85.3628, 94.1046, 64.1170



78.5439, 94.1046, 138.5387



105.8781, 94.1046, 114.8907

Complementary

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



85.3628, 94.1046, 64.1170



60.0082, 58.4884, 102.7344

Split Complementary

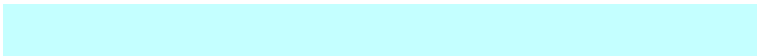
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.2838, 94.1046, 138.6160



85.3628, 94.1046, 64.1170



85.3336, 94.1046, 153.6474

Square

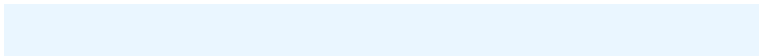
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3628, 94.1046, 64.1170



74.7971, 94.1046, 114.7976



93.6524, 94.1046, 153.6777



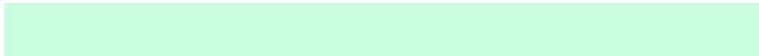
105.8872, 94.1046, 91.0468

Rectangle

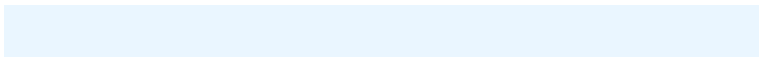
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3628, 94.1046, 64.1170



75.6603, 94.1046, 84.1815



93.6524, 94.1046, 153.6777



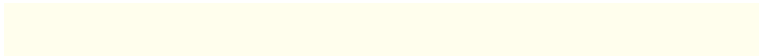
104.8067, 94.1046, 123.2184

Sweetspot

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



85.3651, 94.1087, 64.1190



91.9423, 98.1718, 94.3389



70.4040, 63.4384, 61.4389



19.6247, 20.9802, 19.9375



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

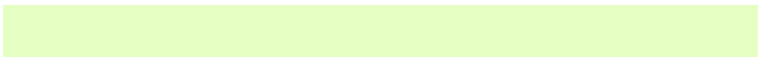
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3651, 94.1087, 64.1190



83.8448, 93.1166, 57.2972



77.4234, 91.8863, 64.1086



19.4551, 20.8785, 19.1489



37.6550, 43.3212, 6.3772



3.6954, 4.2761, 0.6306

Inverse Universe

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



60.0082, 58.4884, 102.7344



54.6374, 52.0891, 101.7822



66.5957, 60.5560, 102.7862



17.0969, 17.5655, 22.7393



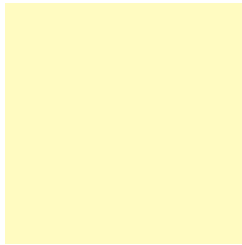
9.5669, 4.0434, 49.7108



0.9629, 0.4565, 4.8506

Previews

White Background



This preview shows how the XYZ color 85.3628, 94.1046, 64.1170 looks on a white background.

Color Contrast Check

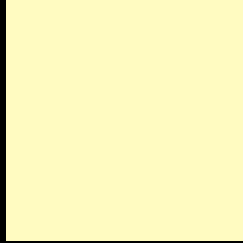
Large Text (above 18pt) WCAG AA × Fail

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 85.3628, 94.1046, 64.1170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

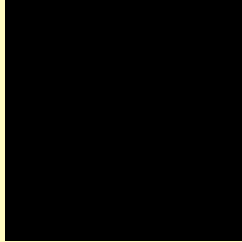
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.3628, 94.1046, 64.1170

Background



This preview shows how black text looks on a background with the XYZ color 85.3628, 94.1046, 64.1170.

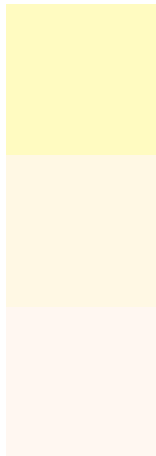


This preview shows how white text looks on a background with the XYZ color 85.3628, 94.1046,

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

85.3628, 94.1046, 64.1170

Protanopia

88.8110, 93.9962, 86.8610

Deuteranopia

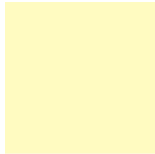
90.3779, 94.1324, 96.6250



Tritanopia

92.0852, 94.3273, 107.1195

Trichromacy



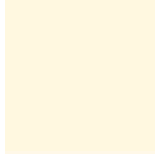
Original Color

85.3628, 94.1046, 64.1170



Protanomaly

87.3814, 93.9177, 77.8124



Deuteranomaly

88.2619, 93.7766, 83.9698



Tritanomaly

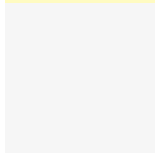
89.3729, 94.2210, 89.8199

Monochromacy



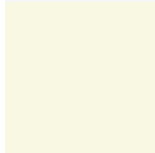
Original Color

85.3628, 94.1046, 64.1170



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.4995, 92.8206, 86.0302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3628, 94.1046, 64.1170 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, 251, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 193)  
}
```

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, 251, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 193) }
```

Border

The CSS property to change the border of an element to XYZ 85.3628, 94.1046, 64.1170 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, 251, 193) }
```


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

```
.border{ border-color:rgb(255, 251, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3628, 94.1046, 64.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 193) }
```

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

```
.background{ background-color: rgb(255,  
251, 193) }
```

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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