

Converting Colors

XYZ(84.8372, 94.6786, 58.9313)

Have a look what the booklet for
XYZ(84.8372, 94.6786, 58.9313)
contains.

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Color

**XYZ(85.0170, 94.9713,
59.1978)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDB8
RGB	255, 253, 184
RGB Percent	100%, 99%, 72%
CMY	0.0000, 0.0078, 0.2784
CMYK	0.00, 0.01, 0.28, 0.00
HSL	58°, 100%, 86%
HSV	58°, 28%, 100%
XYZ	85.0170, 94.9713, 59.1978
YIQ	245.7320, 23.3410, -21.0350

Conversions

Conversions Part 2

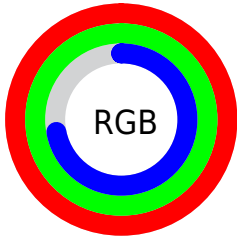
Format	Color
R _Y B	186, 255, 184
Decimal	16776632
CIE Lab	98.02, -9.72, 33.36
CIE LCh	98, 34.743, 106.246
Yxy	94.9713, 0.3554, 0.3971
Android (android.graphics.Color)	4294966712 (0xFFFFFDB8)
YUV	245.7320, -30.4339, 8.1280
Hunter-Lab	97.4532, -14.8219, 32.2016

Details

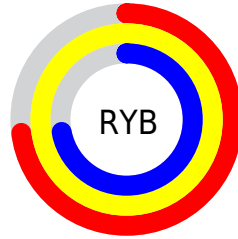
The XYZ color **85.0170, 94.9713, 59.1978** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.3757, 52.5266, 101.8278**, and the grayscale version is **87.6078, 92.1702, 100.3734**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **47.0579, 53.0973, 28.8877** is the 20% darker color. If you saturate the color by 10%, you get **82.3567, 93.5495, 46.2911**, and if you desaturate by 10%, it is **88.1648, 96.5960, 74.6463**.

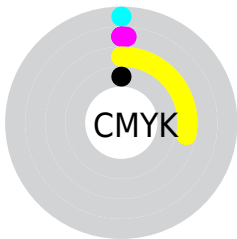
Distribution



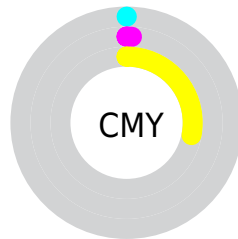
- Red (100%)
- Green (99%)
- Blue (72%)



- Red (73%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (1%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0170, 94.9713, 59.1978 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 85.0170, 94.9713, 59.1978 by changing the saturation by 10% instead.


 85.0170, 94.9713,
59.1978

 85.0170, 94.9713,
59.1978


500.1671,
544.0731, 439.3568

 64.1780, 72.1111,
42.3513


 139.3108,
154.2250, 105.1970

 47.0571, 53.2494,
29.0488


173.4963,
191.3872, 135.1869

 33.2889, 38.0019,
18.8719


212.8614,
234.0855, 170.3949

 22.5081, 25.9842,
11.4019

257.7713,
282.7044, 211.2396

 14.3494, 16.8118,
6.2203

308.5915,
337.6282, 258.1397

 8.4474, 10.1004,
2.9085

365.6873,

 4.4368, 5.4656,

399.2413, 311.5135

1.0481

429.4241,
467.9282, 371.7797

■ 1.9521, 2.5229,
0.0000

■ 0.6068, 0.8881,
0.0000

■ 85.0170, 94.9713,
59.1978

■ 85.0170, 94.9713,
59.1978

■ 82.3567, 93.5495,
46.2911

■ 88.1648, 96.5960,
74.6463

■ 80.1508, 92.3075,
35.7839

■ 91.8169, 98.4206,
92.7568

■ 78.3734, 91.2383,
27.5289

95.0500, 100.0000,
108.9000

■ 76.9931, 90.3292,
21.3604

■ 75.9739, 89.5660,
17.0898

■ 75.2737, 88.9317,
14.4947

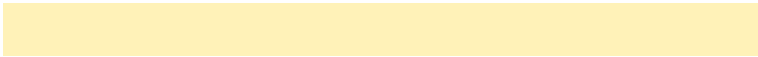
■ 74.8360, 88.4037,
13.2774

■ 74.7584, 88.2967,
13.1028

Harmonies

Analogous

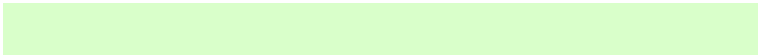
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8956, 94.9713, 58.7733



85.0170, 94.9713, 59.1978



77.1340, 94.9713, 69.9381

Triad

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



85.0170, 94.9713, 59.1978



77.6654, 94.9713, 148.2786



110.1676, 94.9713, 116.9975

Complementary

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



85.0170, 94.9713, 59.1978



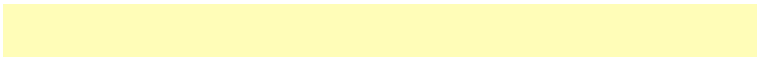
55.3757, 52.5266, 101.8278

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.



104.8129, 94.9713, 146.1447



85.0170, 94.9713, 59.1978



85.7921, 94.9713, 166.3245

Square

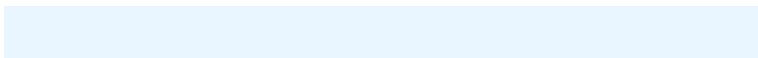
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0170, 94.9713, 59.1978



73.1077, 94.9713, 119.5164



95.7296, 94.9713, 165.4786



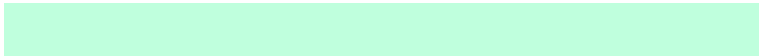
109.9216, 94.9713, 88.8154

Rectangle

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



85.0170, 94.9713, 59.1978



73.8552, 94.9713, 82.8586



95.7296, 94.9713, 165.4786



108.9469, 94.9713, 127.1007

Sweetspot

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



85.0193, 94.9755, 59.1998



91.7552, 98.3902, 92.4498



67.2832, 59.1028, 54.5221



19.5149, 20.9980, 19.1688



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

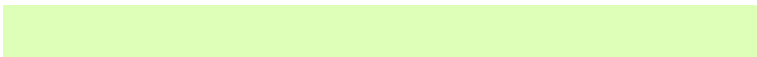
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0193, 94.9755, 59.1998



83.5873, 94.2164, 52.2332



74.4957, 90.4895, 58.8886



19.5149, 20.9980, 19.1688



39.0825, 46.1762, 6.8530



3.8186, 4.5225, 0.6717

Inverse Universe

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



55.3757, 52.5266, 101.8278



49.7963, 45.8299, 100.8292



63.8463, 56.2743, 102.1047



17.0439, 17.4594, 22.7216



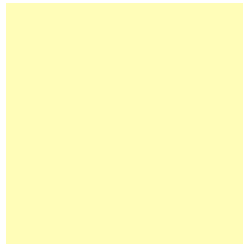
9.4898, 3.8892, 49.6851



0.9377, 0.4062, 4.8422

Previews

White Background



This preview shows how the XYZ color 85.0170, 94.9713, 59.1978 looks on a white background.

Color Contrast Check

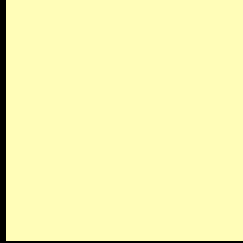
Large Text (above 18pt) WCAG AA × Fail

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 85.0170, 94.9713, 59.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

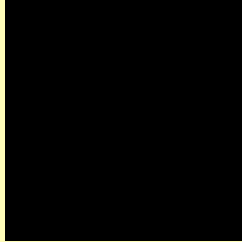
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0170, 94.9713, 59.1978

Background



This preview shows how black text looks on a background with the XYZ color 85.0170, 94.9713, 59.1978.



This preview shows how white text looks on a background with the XYZ color 85.0170, 94.9713,

Color Blindness Simulation

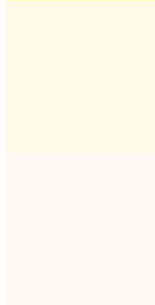
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.0170, 94.9713, 59.1978



Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

92.3902, 94.9373, 107.2212

Trichromacy



Original Color

85.0170, 94.9713, 59.1978



Protanomaly

87.6913, 94.5375, 77.9157



Deuteranomaly

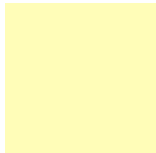
88.6104, 94.9051, 82.7555



Tritanomaly

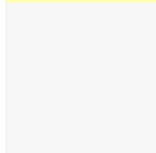
89.2585, 94.6685, 87.6972

Monochromacy



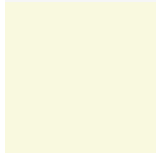
Original Color

85.0170, 94.9713, 59.1978



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.2619, 93.2188, 83.2586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0170, 94.9713, 59.1978 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 184) }
```

Border

The CSS property to change the border of an element to XYZ 85.0170, 94.9713, 59.1978 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, 184) }
```


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

```
.border{ border-color:rgb(255, 253, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0170, 94.9713, 59.1978 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, 184) }
```

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

```
.background{ background-color: rgb(255,  
253, 184) }
```

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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