

Converting Colors

XYZ(109.6895, 100.0000,
59.2988)

Have a look what the booklet for
XYZ(109.6895, 100.0000, 59.2988)
contains.

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Color

**XYZ(79.9924, 84.7537,
58.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECB9
RGB	255, 236, 185
RGB Percent	100%, 93%, 73%
CMY	0.0000, 0.0745, 0.2745
CMYK	0.00, 0.07, 0.27, 0.00
HSL	44°, 100%, 86%
HSV	44°, 27%, 100%
XYZ	79.9924, 84.7537, 58.0420
YIQ	235.8670, 27.6950, -11.8330

Conversions

Conversions Part 2

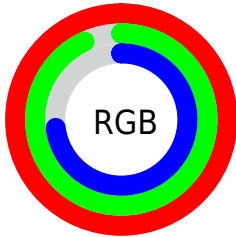
Format	Color
R _Y B	211, 255, 185
Decimal	16772281
CIE Lab	93.78, -1.11, 27.11
CIE LCh	94, 27.128, 92.336
Yxy	84.7537, 0.3591, 0.3804
Android (android.graphics.Color)	4294962361 (0xFFFFE0B9)
YUV	235.8670, -25.0774, 16.7796
Hunter-Lab	92.0618, -6.0096, 27.0628

Details

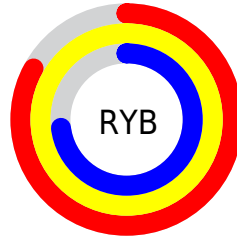
The XYZ color **79.9924, 84.7537, 58.0420** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.6499, 60.7182, 103.1836**, and the grayscale version is **79.7998, 83.9556, 91.4277**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **43.7748, 46.3142, 28.4622** is the 20% darker color. If you saturate the color by 10%, you get **75.5851, 79.8675, 44.4620**, and if you desaturate by 10%, it is **84.9639, 89.9950, 74.1939**.

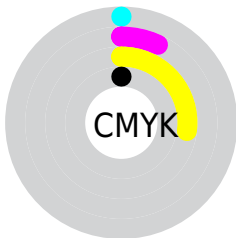
Distribution



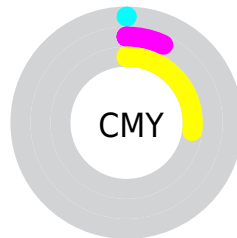
- Red (100%)
- Green (93%)
- Blue (73%)



- Red (83%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (7%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9924, 84.7537, 58.0420 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 79.9924, 84.7537, 58.0420 by changing the saturation by 10% instead.

 79.9924, 84.7537,
58.0420

 79.9924, 84.7537,
58.0420


483.6441,
510.8127, 434.9450

 60.0205, 63.6379,
41.4275


 132.3056,
140.0290, 103.4994

 43.6847, 46.3574,
28.3311


165.3777,
174.9573, 133.1794

 30.6196, 32.5280,
18.3341


203.5472,
215.2585, 168.0516

 20.4597, 21.7651,
11.0182

247.1796,
261.3171, 208.5346

 12.8399, 13.6844,
5.9648

296.6401,
313.5174, 255.0469

 7.3946, 7.9015,
2.7552

352.2941,

 3.7586, 4.0320,

372.2439, 308.0070

0.9711

414.5070,
437.8808, 367.8336

■ 1.5665, 1.6915,
0.0000

■ 0.3704, 0.4181,
0.0000

■ 79.9924, 84.7537,
58.0420

■ 79.9924, 84.7537,
58.0420

■ 75.5851, 79.8675,
44.4620

■ 84.9639, 89.9950,
74.1939

■ 71.7091, 75.3131,
33.3124

■ 90.5181, 95.5912,
93.0386

■ 68.3374, 71.0810,
24.4461

95.0500, 100.0000,
108.9000

■ 65.4377, 67.1571,
17.6977

■ 62.9735, 63.5252,
12.8794

■ 60.9019, 60.1667,
9.7701

■ 59.1674, 57.0579,
8.0815

■ 58.7583, 56.2966,
7.7694

Harmonies

Analogous

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



87.1613, 84.7537, 61.4107



79.9924, 84.7537, 58.0420



73.3699, 84.7537, 62.6519

Triad

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



79.9924, 84.7537, 58.0420



69.4072, 84.7537, 115.1755



93.4608, 84.7537, 111.9584

Complementary

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



79.9924, 84.7537, 58.0420



59.6499, 60.7182, 103.1836

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.



88.1964, 84.7537, 130.0332



79.9924, 84.7537, 58.0420



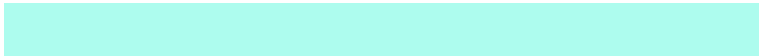
74.2928, 84.7537, 132.0767

Square

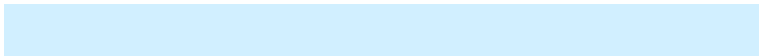
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9924, 84.7537, 58.0420



67.4901, 84.7537, 93.9093



81.1219, 84.7537, 137.8785



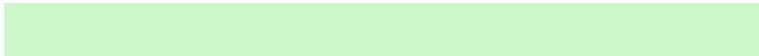
95.2077, 84.7537, 90.6743

Rectangle

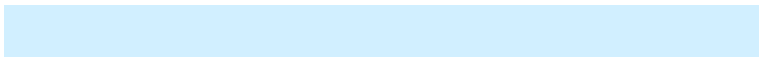
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9924, 84.7537, 58.0420



70.0782, 84.7537, 70.0981



81.1219, 84.7537, 137.8785



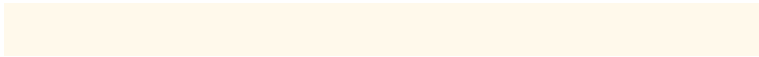
92.0290, 84.7537, 118.7134

Sweetspot

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



79.9945, 84.7575, 58.0438



90.1971, 95.2740, 91.9304



69.5889, 60.3586, 65.6358



19.1199, 20.2080, 19.0371



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

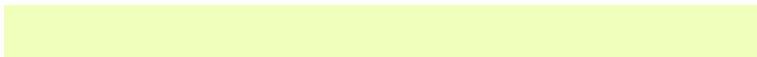
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9945, 84.7575, 58.0438



77.4799, 82.0015, 50.1974



80.3960, 93.5191, 59.7138



19.1199, 20.2080, 19.0371



30.8329, 29.6771, 4.1032



3.0929, 3.0711, 0.4298

Inverse Universe

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



59.6499, 60.7182, 103.1836



54.0334, 54.3040, 102.2416



59.2638, 54.2213, 101.9500



17.4040, 18.1796, 22.8417



10.6548, 6.2192, 50.0734



1.1234, 0.7775, 4.9041

Previews

White Background



This preview shows how the XYZ color 79.9924, 84.7537, 58.0420 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 79.9924, 84.7537, 58.0420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

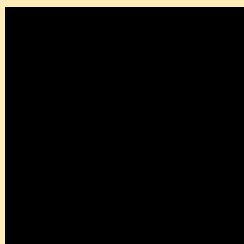
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.9924, 84.7537, 58.0420

Background



This preview shows how black text looks on a background with the XYZ color 79.9924, 84.7537, 58.0420.



This preview shows how white text looks on a background with the XYZ color 79.9924, 84.7537,

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

79.9924, 84.7537, 58.0420

Protanopia

79.5492, 84.9538, 58.1040

Deuteranopia

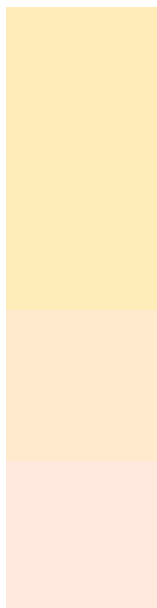
83.0338, 84.5998, 78.2827



Tritanopia

85.9936, 84.8829, 96.6457

Trichromacy



Original Color

79.9924, 84.7537, 58.0420

Protanomaly

79.9142, 85.1420, 58.1211

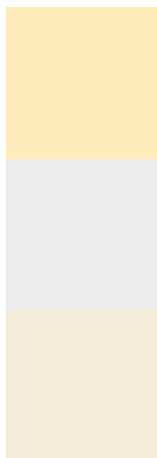
Deuteranomaly

81.8034, 84.5619, 70.4031

Tritanomaly

83.5637, 84.8118, 81.0733

Monochromacy



Original Color

79.9924, 84.7537, 58.0420

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.4820, 84.0553, 77.6808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9924, 84.7537, 58.0420 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, 236, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 185)  
}
```

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, 236, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 185) }
```

Border

The CSS property to change the border of an element to XYZ 79.9924, 84.7537, 58.0420 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, 236, 185) }
```


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

```
.border{ border-color:rgb(255, 236, 185) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9924, 84.7537, 58.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 185) }
```

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

```
.background{ background-color: rgb(255,  
236, 185) }
```

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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