

Converting Colors

XYZ(83.2526, 100.0000,
66.1103)

Have a look what the booklet for
XYZ(83.2526, 100.0000, 66.1103)
contains.

XYZ(79.7586, 93.0772, 64.8009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.7586, 93.0772,
64.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFC2
RGB	235, 255, 194
RGB Percent	92%, 100%, 76%
CMY	0.0784, 0.0000, 0.2392
CMYK	0.08, 0.00, 0.24, 0.00
HSL	80°, 100%, 88%
HSV	80°, 24%, 100%
XYZ	79.7586, 93.0772, 64.8009
YIQ	242.0660, 7.6610, -23.2110

Conversions

Conversions Part 2

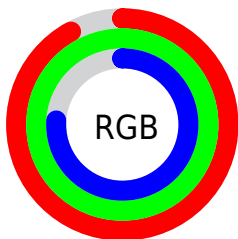
Format	Color
RYB	194, 255, 214
Decimal	15466434
CIELab	97.26, -16.57, 27.04
CIELCh	97, 31.719, 121.504
Yxy	93.0772, 0.3356, 0.3917
Android (android.graphics.Color)	4293656514 (0xFFEBFFC2)
YUV	242.0660, -23.6965, -6.1969
Hunter-Lab	96.4765, -21.2653, 27.7099

Details

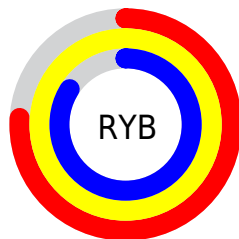
The XYZ color **79.7586, 93.0772, 64.8009** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.0742, 60.1009, 102.7786**, and the grayscale version is **84.6271, 89.0343, 96.9584**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **43.5181, 51.8653, 32.5283** is the 20% darker color. If you saturate the color by 10%, you get **74.4400, 90.6384, 50.8631**, and if you desaturate by 10%, it is **85.6995, 95.7800, 81.3356**.

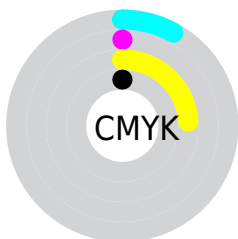
Distribution



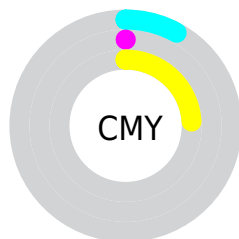
- Red (92%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7586, 93.0772, 64.8009 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 79.7586, 93.0772, 64.8009 by changing the saturation by 10% instead.


 79.7586, 93.0772,
64.8009

 79.7586, 93.0772,
64.8009


482.8679,
537.9909, 460.3628

 59.8275, 70.5357,
46.8493

131.9786,
151.6055, 113.3741

 43.5285, 51.9634,
32.5631


164.9982,
188.3610, 144.8328

 30.4964, 36.9759,
21.5236


203.1114,
230.6234, 181.6310

 20.3656, 25.1888,
13.3123

246.6834,
278.7769, 224.1872

 12.7709, 16.2178,
7.5107

296.0798,
333.2060, 272.9199

 7.3469, 9.6784,
3.7002

351.6657,

 3.7282, 5.1862,

394.2951, 328.2477

1.4624

413.8066,
462.4286, 390.5892

■ 1.5496, 2.3570,
0.1897

■ 0.3592, 0.8036,
0.0000

■ 79.7586, 93.0772,
64.8009

■ 79.7586, 93.0772,
64.8009

■ 74.4400, 90.6384,
50.8631

■ 85.6995, 95.7800,
81.3356

■ 69.7153, 88.4518,
39.3860

■ 92.2861, 98.7563,
100.5859

■ 65.5558, 86.5060,
30.2270

■ 95.0500, 100.0000,
108.9000

■ 61.9297, 84.7878,
23.2274

■ 58.8011, 83.2828,
18.2083

■ 56.1287, 81.9742,
14.9623

■ 53.8624, 80.8417,
13.2361

■ 52.6406, 80.2223,
12.7100

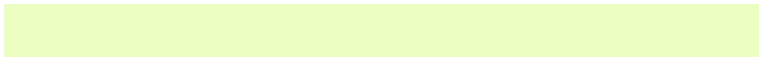
Harmonies

Analogous

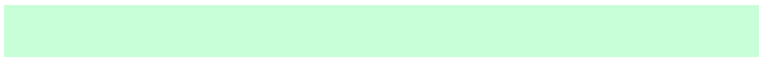
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0153, 93.0772, 59.5590



79.7586, 93.0772, 64.8009



74.1611, 93.0772, 79.5621

Triad

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



79.7586, 93.0772, 64.8009



80.4923, 93.0772, 151.2386



106.8491, 93.0772, 100.0548

Complementary

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



79.7586, 93.0772, 64.8009



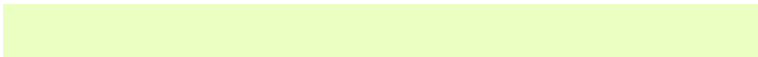
65.0742, 60.1009, 102.7786

Split Complementary

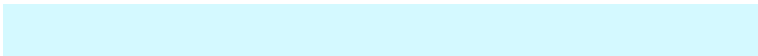
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.5039, 93.0772, 126.7804



79.7586, 93.0772, 64.8009



88.9204, 93.0772, 159.1643

Square

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



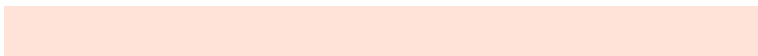
79.7586, 93.0772, 64.8009



74.5641, 93.0772, 129.4044



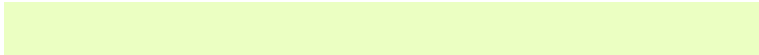
97.7875, 93.0772, 149.5525



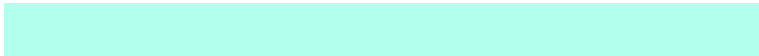
103.9990, 93.0772, 77.6670

Rectangle

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



79.7586, 93.0772, 64.8009



72.4847, 93.0772, 94.2225



97.7875, 93.0772, 149.5525



106.6413, 93.0772, 108.8182

Sweetspot

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



79.7591, 93.0775, 64.8023



90.1875, 97.8101, 94.3616



74.8522, 72.9039, 61.1670



19.2174, 20.8963, 19.9428



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

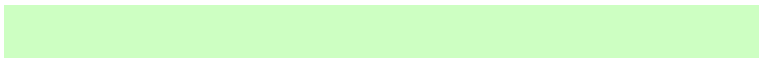
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7591, 93.0775, 64.8023



76.9814, 91.8063, 57.4060



70.7258, 88.4206, 64.3795



18.9484, 20.7749, 19.1556



27.6698, 42.0024, 6.6489



2.8093, 4.1490, 0.6528

Inverse Universe

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



65.0742, 60.1009, 102.7786



59.8425, 53.3093, 101.7434



74.5871, 65.0050, 103.2238



17.5639, 17.6669, 22.7343



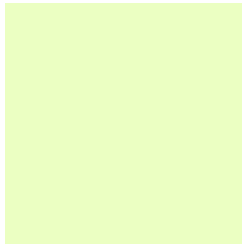
11.4626, 4.8197, 49.7607



1.2255, 0.5257, 4.8501

Previews

White Background



This preview shows how the XYZ color 79.7586, 93.0772, 64.8009 looks on a white background.

Color Contrast Check

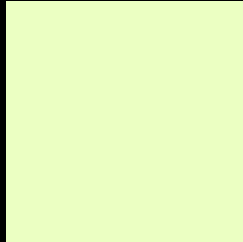
Large Text (above 18pt) WCAG AA × Fail

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 79.7586, 93.0772, 64.8009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

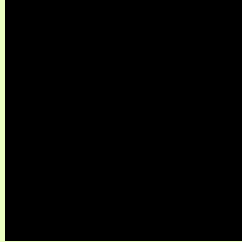
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

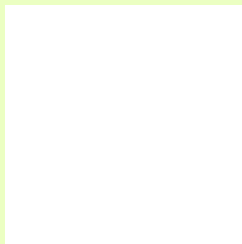
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.7586, 93.0772, 64.8009

Background



This preview shows how black text looks on a background with the XYZ color 79.7586, 93.0772, 64.8009.

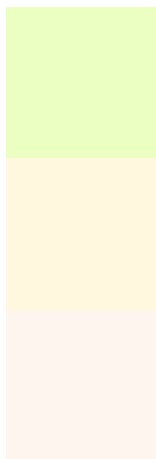


This preview shows how white text looks on a background with the XYZ color 79.7586, 93.0772,

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

79.7586, 93.0772, 64.8009

Protanopia

87.6856, 93.0555, 82.4472

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

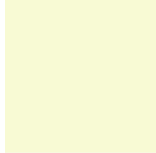
89.0118, 92.7244, 107.8139

Trichromacy



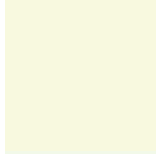
Original Color

79.7586, 93.0772, 64.8009



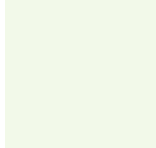
Protanomaly

84.7807, 93.0811, 75.7854



Deuteranomaly

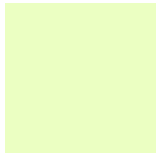
85.9064, 93.0355, 83.2419



Tritanomaly

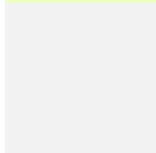
85.2016, 92.5118, 90.4568

Monochromacy



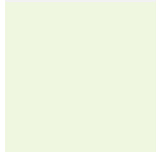
Original Color

79.7586, 93.0772, 64.8009



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.4480, 90.3085, 84.3200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7586, 93.0772, 64.8009 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(235, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 194)  
}
```

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(235, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 79.7586, 93.0772, 64.8009 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(235, 255, 194) }
```


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

```
.border{ border-color:rgb(235, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7586, 93.0772, 64.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 194) }
```

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

```
.background{ background-color: rgb(235,  
255, 194) }
```

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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