

Converting Colors

XYZ(81.7916, 88.7718, 89.7441)

Have a look what the booklet for
XYZ(81.7916, 88.7718, 89.7441)
contains.

XYZ(81.9525, 89.0209, 89.9542)	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(81.9525, 89.0209,
89.9542)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF5E9
RGB	236, 245, 233
RGB Percent	93%, 96%, 91%
CMY	0.0745, 0.0392, 0.0863
CMYK	0.04, 0.00, 0.05, 0.04
HSL	105°, 38%, 94%
HSV	105°, 5%, 96%
XYZ	81.9525, 89.0209, 89.9542
YIQ	240.9410, -1.5120, -5.6400

Conversions

Conversions Part 2

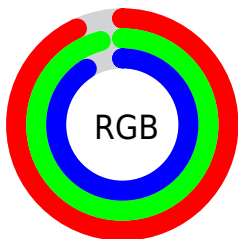
Format	Color
R _{YB}	233, 245, 242
Decimal	15529449
CIE Lab	95.59, -5.09, 4.73
CIE LCh	96, 6.950, 137.115
Yxy	89.0209, 0.3141, 0.3412
Android (android.graphics.Color)	4293719529 (0xFFE9F5E9)
YUV	240.9410, -3.9149, -4.3333
Hunter-Lab	94.3509, -10.0702, 9.5185

Details

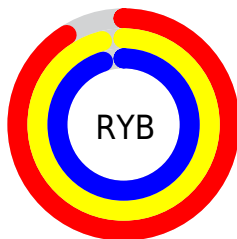
The XYZ color **81.9525, 89.0209, 89.9542** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2417, 83.7501, 98.2216**, and the grayscale version is **83.5956, 87.9490, 95.7765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9558, 49.2728, 48.7362** is the 20% darker color. If you saturate the color by 10%, you get **72.9021, 84.7345, 72.5114**, and if you desaturate by 10%, it is **91.7162, 93.6708, 107.8540**.

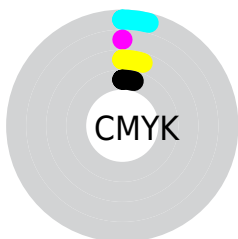
Distribution



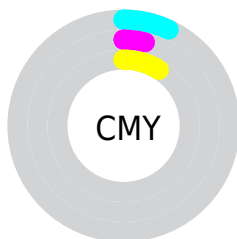
- Red (93%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9525, 89.0209, 89.9542 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 81.9525, 89.0209, 89.9542 by changing the saturation by 10% instead.

81.9525, 89.0209,
89.9542

81.9525, 89.0209,
89.9542

490.1257,
524.8407, 548.4481

61.6404, 67.1689,
67.3692

135.0436,
145.9776, 149.2097

44.9967, 49.2219,
48.9212

168.5532,
181.8511, 186.7173

31.6561, 34.7955,
34.1918

207.1927,
223.1672, 230.0361

21.2532, 23.5054,
22.7624

251.3274,
270.3103, 279.5848

13.4227, 14.9671,
14.2145

301.3227,
323.6648, 335.7818

7.7993, 8.7963,
8.1296

357.5440,

4.0175, 4.6086,

383.6151, 399.0456

4.0890

420.3565,
450.5456, 469.7949

■ 1.7120, 2.0195,
1.6743

■ 0.4638, 0.6188,
0.3430

■ 81.9525, 89.0209,
89.9542

■ 81.9525, 89.0209,
89.9542

■ 72.9021, 84.7345,
72.5114

■ 91.7162, 93.6708,
107.8540

■ 64.9244, 80.9448,
57.5498

■ 91.9441, 93.7883,
107.8647

■ 57.9808, 77.6367,
44.9583

■ 52.0273, 74.7904,
34.6153

■ 47.0171, 72.3844,
26.3882

■ 42.8989, 70.3956,
20.1305

■ 39.6163, 68.7985,
15.6770

■ 37.1058, 67.5646,
12.8356

■ 35.2929, 66.6606,
11.3706

Harmonies

Analogous

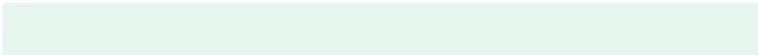
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5369, 89.0209, 87.2318



81.9525, 89.0209, 89.9542



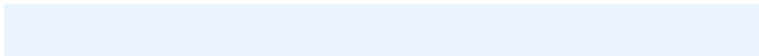
81.0863, 89.0209, 94.6049

Triad

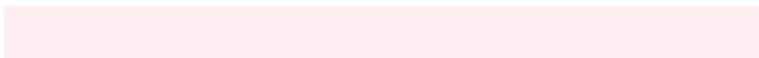
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9525, 89.0209, 89.9542



83.7964, 89.0209, 107.5336



88.1658, 89.0209, 93.8700

Complementary

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



81.9525, 89.0209, 89.9542



82.2417, 83.7501, 98.2216

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.



88.2378, 89.0209, 99.2901



81.9525, 89.0209, 89.9542



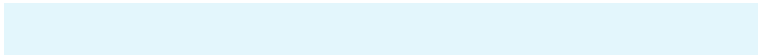
85.6957, 89.0209, 107.3187

Square

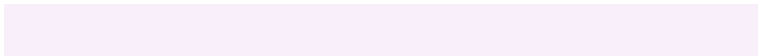
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



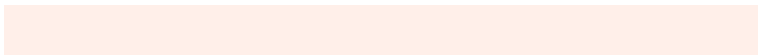
81.9525, 89.0209, 89.9542



82.1400, 89.0209, 104.8311



87.3278, 89.0209, 104.2545



87.1325, 89.0209, 89.4336

Rectangle

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



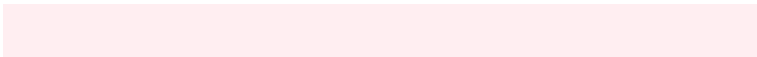
81.9525, 89.0209, 89.9542



81.0240, 89.0209, 98.2355



87.3278, 89.0209, 104.2545



88.3038, 89.0209, 95.6334

Sweetspot

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



81.9550, 89.0247, 89.9561



93.9419, 99.4759, 106.7193



84.1200, 88.8039, 89.7994



20.1191, 21.2975, 22.8653



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.



81.9550, 89.0247, 89.9561



88.5867, 96.9414, 96.2472



81.3997, 88.6885, 92.1874



17.2353, 18.9397, 18.6168



18.7408, 35.7740, 5.9173



1.7375, 3.1908, 0.5243

Inverse Universe

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



82.2417, 83.7501, 98.2216



88.9691, 89.9057, 107.2721



82.8253, 84.1034, 95.8764



17.3178, 17.4234, 20.9929



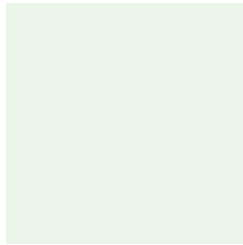
19.6320, 9.0950, 47.2588



1.8188, 0.8475, 4.1580

Previews

White Background



This preview shows how the XYZ color 81.9525, 89.0209, 89.9542 looks on a white background.

Color Contrast Check

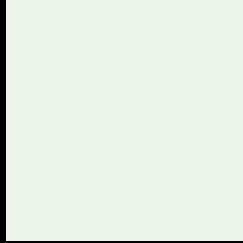
Large Text (above 18pt) WCAG AA × Fail

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 81.9525, 89.0209, 89.9542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

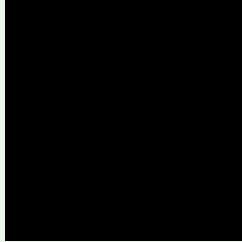
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

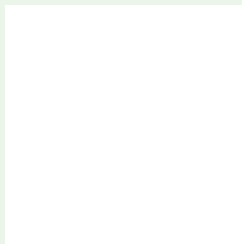
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9525, 89.0209, 89.9542

Background



This preview shows how black text looks on a background with the XYZ color 81.9525, 89.0209, 89.9542.



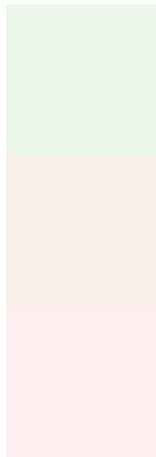
This preview shows how white text looks on a background with the XYZ color 81.9525, 89.0209,

89.9542.

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

81.9525, 89.0209, 89.9542

Protanopia

84.9460, 88.8199, 88.2681

Deuteranopia

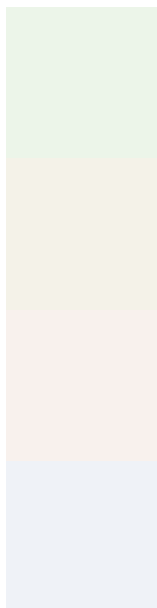
87.3945, 88.6411, 94.1646



Tritanopia

85.7809, 88.8314, 107.2328

Trichromacy



Original Color

81.9525, 89.0209, 89.9542

Protanomaly

83.6258, 88.5636, 89.0309

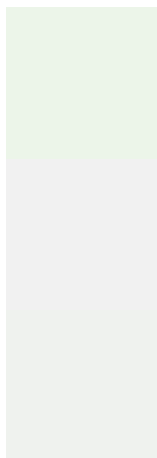
Deuteranomaly

85.4528, 88.9815, 92.7921

Tritanomaly

84.1372, 88.5704, 100.6570

Monochromacy



Original Color

81.9525, 89.0209, 89.9542

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.7814, 88.0280, 93.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9525, 89.0209, 89.9542 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(236, 245, 233) looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 233)  
}
```

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(236, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 233) }
```

Border

The CSS property to change the border of an element to XYZ 81.9525, 89.0209, 89.9542 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(236, 245, 233) }
```


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

```
.border{ border-color:rgb(236, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9525, 89.0209, 89.9542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 233) }
```

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

```
.background{ background-color: rgb(236,  
245, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor