

Converting Colors

XYZ(80.7454, 85.3322, 84.3181)

Have a look what the booklet for
XYZ(80.7454, 85.3322, 84.3181)
contains.

XYZ(80.9200, 85.5173, 84.1931)	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(80.9200, 85.5173,
84.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EEE2
RGB	242, 238, 226
RGB Percent	95%, 93%, 89%
CMY	0.0510, 0.0666, 0.1137
CMYK	0.00, 0.02, 0.07, 0.05
HSL	45°, 38%, 92%
HSV	45°, 7%, 95%
XYZ	80.9200, 85.5173, 84.1931
YIQ	237.8280, 6.2360, -2.8840

Conversions

Conversions Part 2

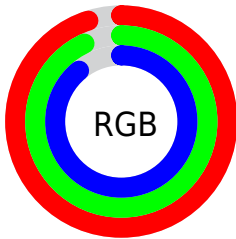
Format	Color
R_{YB}	231, 242, 226
Decimal	15920866
CIE Lab	94.11, -0.70, 6.27
CIE LCh	94, 6.307, 96.417
Yxy	85.5173, 0.3229, 0.3412
Android (android.graphics.Color)	4294110946 (0xFF2EEE2)
YUV	237.8280, -5.8312, 3.6588
Hunter-Lab	92.4756, -5.6372, 10.7531

Details

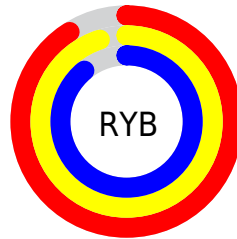
The XYZ color **80.9200, 85.5173, 84.1931** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.6879, 79.1721, 95.2981**, and the grayscale version is **81.1773, 85.4049, 93.0059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3283, 46.8353, 45.2318** is the 20% darker color. If you saturate the color by 10%, you get **76.1016, 80.8243, 67.3437**, and if you desaturate by 10%, it is **86.2710, 90.5234, 103.5344**.

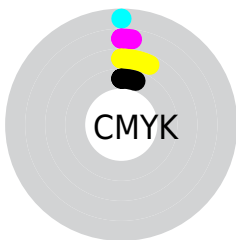
Distribution



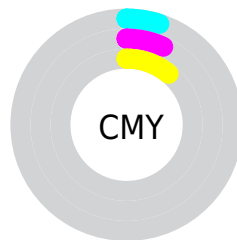
- Red (95%)
- Green (93%)
- Blue (89%)



- Red (91%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9200, 85.5173, 84.1931 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 80.9200, 85.5173, 84.1931 by changing the saturation by 10% instead.

80.9200, 85.5173,
84.1931

80.9200, 85.5173,
84.1931

486.7174,
513.3382, 529.0291

60.7868, 64.2689,
62.6286

133.6022,
141.0957, 141.1094

44.3050, 46.8685,
45.1017

166.8818,
176.1945, 177.2982

31.1093, 32.9317,
31.1940

205.2744,
216.6788, 219.1989

20.8343, 22.0741,
20.4869

249.1451,
262.9332, 267.2300

13.1147, 13.9114,
12.5619

298.8594,
315.3419, 321.8100

7.5851, 8.0591,
7.0004

354.7827,

3.8802, 4.1328,

374.2894, 383.3575

3.3839

417.2802,
440.1600, 452.2910

■ 1.6346, 1.7481,
1.2938

■ 0.4148, 0.4545,
0.0567

■ 80.9200, 85.5173,
84.1931

■ 80.9200, 85.5173,
84.1931

■ 76.1016, 80.8243,
67.3437

■ 86.2710, 90.5234,
103.5344

■ 71.7886, 76.4244,
52.8777

■ 88.8829, 94.5264,
108.1685

■ 67.9619, 72.3116,
40.6867

■ 90.4284, 97.6175,
108.6837

■ 64.5982, 68.4758,
30.6515

■ 61.6725, 64.9059,
22.6425

■ 59.1568, 61.5899,
16.5156

■ 57.0196, 58.5140,
12.1080

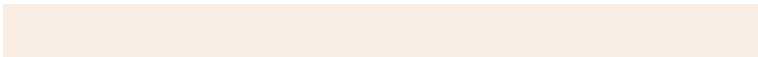
■ 55.2240, 55.6627,
9.2286

■ 53.7237, 53.0162,
7.6371

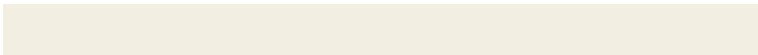
Harmonies

Analogous

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



82.5849, 85.5173, 84.8652



80.9200, 85.5173, 84.1931



79.3731, 85.5173, 85.8440

Triad

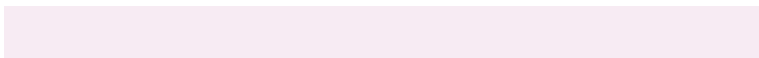
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9200, 85.5173, 84.1931



78.7019, 85.5173, 98.7323



84.2876, 85.5173, 96.8760

Complementary

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



80.9200, 85.5173, 84.1931



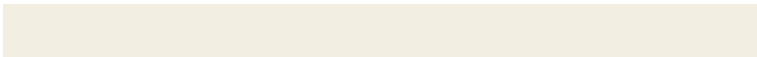
75.6879, 79.1721, 95.2981

Split Complementary

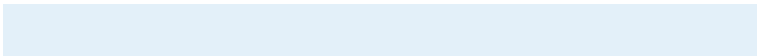
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2205, 85.5173, 100.7829



80.9200, 85.5173, 84.1931



79.9922, 85.5173, 101.8803

Square

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



80.9200, 85.5173, 84.1931



78.1040, 85.5173, 94.1549



81.6443, 85.5173, 102.6434



84.5443, 85.5173, 92.0804

Rectangle

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



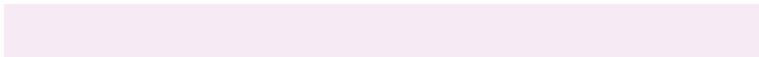
80.9200, 85.5173, 84.1931



78.6120, 85.5173, 88.0745



81.6443, 85.5173, 102.6434



84.0111, 85.5173, 98.3418

Sweetspot

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



80.9224, 85.5210, 84.1949



93.8347, 98.8659, 104.4977



78.0984, 78.9845, 85.9935



20.0972, 21.1733, 22.4129



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.



80.9224, 85.5210, 84.1949



90.3339, 95.5475, 91.9760



80.7407, 87.1736, 84.5235



16.7692, 17.7515, 16.6923



28.7240, 28.2461, 3.9381



2.4676, 2.5060, 0.3536

Inverse Universe

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



75.6879, 79.1721, 95.2981



83.2493, 86.9546, 107.0040



75.8577, 77.6279, 94.9910



15.2180, 15.8700, 19.9828



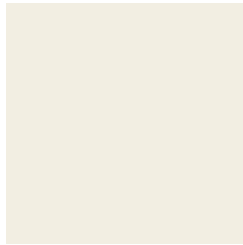
9.5810, 5.3863, 45.6626



0.8734, 0.6008, 3.8242

Previews

White Background



This preview shows how the XYZ color 80.9200, 85.5173, 84.1931 looks on a white background.

Color Contrast Check

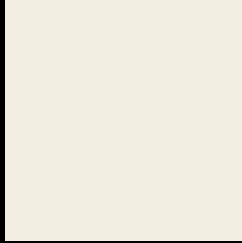
Large Text (above 18pt) WCAG AA × Fail

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 80.9200, 85.5173, 84.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

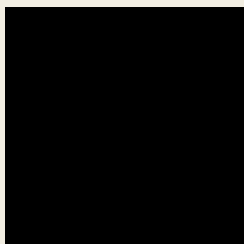
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

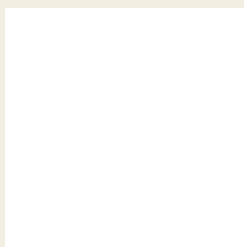
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9200, 85.5173, 84.1931

Background



This preview shows how black text looks on a background with the XYZ color 80.9200, 85.5173, 84.1931.



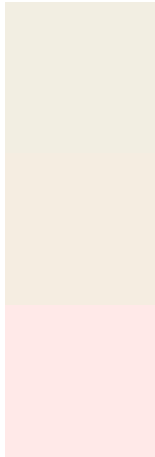
This preview shows how white text looks on a background with the XYZ color 80.9200, 85.5173,

84.1931.

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

80.9200, 85.5173, 84.1931

Protanopia

81.5310, 85.4171, 83.4242

Deuteranopia

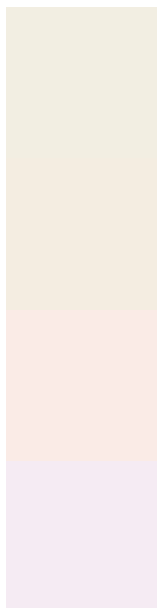
84.9444, 85.3640, 88.3438



Tritanopia

84.9995, 85.4667, 104.1122

Trichromacy



Original Color

80.9200, 85.5173, 84.1931

Protanomaly

81.1830, 85.2377, 83.4079

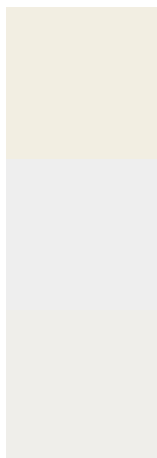
Deuteranomaly

83.4156, 85.4538, 86.9607

Tritanomaly

83.5422, 85.3002, 96.8555

Monochromacy



Original Color

80.9200, 85.5173, 84.1931

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0224, 85.4403, 90.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9200, 85.5173, 84.1931 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(242, 238, 226) looks like.

```
.text, #text, p{  
    color:rgb(242, 238, 226)  
}
```

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(242, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 238, 226) }
```

Border

The CSS property to change the border of an element to XYZ 80.9200, 85.5173, 84.1931 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(242, 238, 226) }
```


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

```
.border{ border-color:rgb(242, 238, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 238, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 238, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 238, 226); box-shadow:4px 4px 4px 4px rgb(242, 238, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9200, 85.5173, 84.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 238, 226) }
```

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

```
.background{ background-color: rgb(242,  
238, 226) }
```

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