

Converting Colors

XYZ(80.4587, 88.2343, 90.6322)

Have a look what the booklet for
XYZ(80.4587, 88.2343, 90.6322)
contains.

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Color

**XYZ(80.4587, 88.2343,
90.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F5EA
RGB	231, 245, 234
RGB Percent	91%, 96%, 92%
CMY	0.0941, 0.0392, 0.0823
CMYK	0.06, 0.00, 0.04, 0.04
HSL	133°, 41%, 93%
HSV	133°, 6%, 96%
XYZ	80.4587, 88.2343, 90.6322
YIQ	239.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

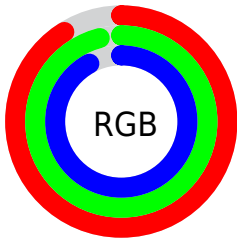
Format	Color
R _{YB}	231, 243, 245
Decimal	15201770
CIE Lab	95.26, -6.58, 3.69
CIE LCh	95, 7.545, 150.712
Yxy	88.2343, 0.3103, 0.3402
Android (android.graphics.Color)	4293391850 (0xFFE7F5EA)
YUV	239.5600, -2.7411, -7.5071
Hunter-Lab	93.9331, -11.4882, 8.5467

Details

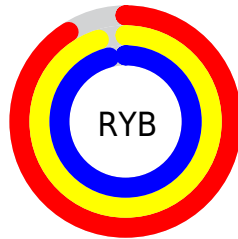
The XYZ color **80.4587, 88.2343, 90.6322** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.2624, 82.9773, 95.6893**, and the grayscale version is **82.5061, 86.8029, 94.5283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9127, 48.7235, 49.2096** is the 20% darker color. If you saturate the color by 10%, you get **70.4807, 83.3954, 76.5040**, and if you desaturate by 10%, it is **91.6642, 93.6763, 106.3904**.

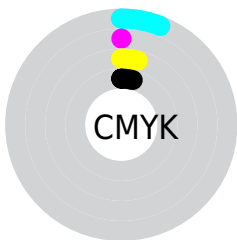
Distribution



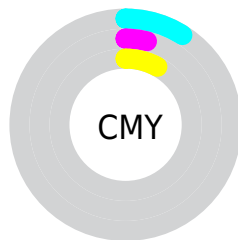
- Red (91%)
- Green (96%)
- Blue (92%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4587, 88.2343, 90.6322 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 80.4587, 88.2343, 90.6322 by changing the saturation by 10% instead.

80.4587, 88.2343,
90.6322

80.4587, 88.2343,
90.6322

485.1904,
522.2702, 550.7083

60.4057, 66.5171,
67.9284

132.9576,
144.8833, 150.1594

43.9964, 48.6923,
49.3732

166.1341,
180.5839, 187.8200

30.8656, 34.3755,
34.5479

204.4159,
221.7145, 231.3032

20.6478, 23.1822,
23.0341

248.1682,
268.6594, 281.0276

12.9778, 14.7281,
14.4131

297.7565,
321.8030, 337.4118

7.4902, 8.6288,
8.2665

353.5460,

3.8195, 4.4999,

381.5298, 400.8743

4.1758

415.9022,
448.2240, 471.8336

■ 1.6005, 1.9569,
1.7223

■ 0.3928, 0.5823,
0.3759

■ 80.4587, 88.2343,
90.6322

■ 80.4587, 88.2343,
90.6322

■ 70.4807, 83.3954,
76.5040

■ 91.6642, 93.6763,
106.3904

■ 61.8524, 79.2161,
63.9561

■ 91.9441, 93.7883,
107.8647

■ 54.5174, 75.6711,
52.9351

■ 48.4123, 72.7289,
43.3827

■ 43.4682, 70.3553,
35.2365

■ 39.6095, 68.5127,
28.4299

■ 36.7511, 67.1588,
22.8907

■ 34.7947, 66.2446,
18.5399

■ 33.6208, 65.7101,
15.2892

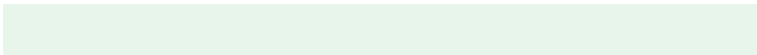
Harmonies

Analogous

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



81.8585, 88.2343, 86.6512



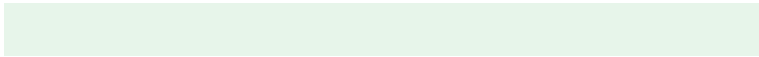
80.4587, 88.2343, 90.6322



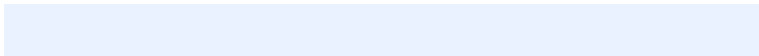
79.9678, 88.2343, 96.2131

Triad

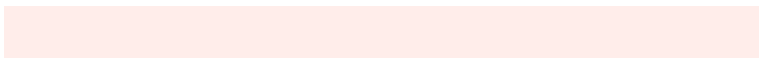
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4587, 88.2343, 90.6322



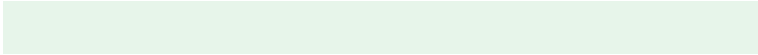
83.9133, 88.2343, 107.8599



87.3136, 88.2343, 90.3976

Complementary

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



80.4587, 88.2343, 90.6322



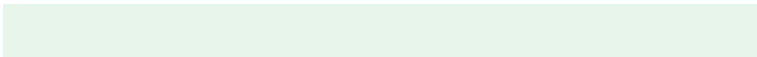
82.2624, 82.9773, 95.6893

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.



87.8849, 88.2343, 95.9313



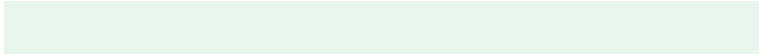
80.4587, 88.2343, 90.6322



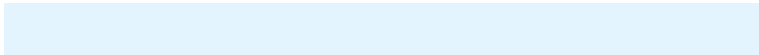
85.9021, 88.2343, 106.1523

Square

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



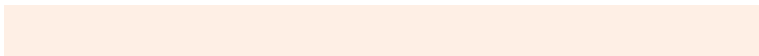
80.4587, 88.2343, 90.6322



81.9424, 88.2343, 106.3030



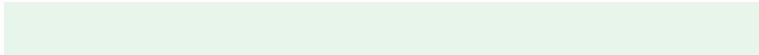
87.3642, 88.2343, 101.7255



85.8155, 88.2343, 86.5197

Rectangle

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



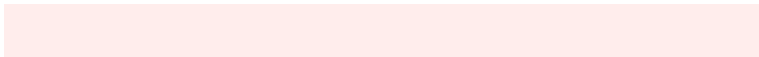
80.4587, 88.2343, 90.6322



80.2156, 88.2343, 100.1378



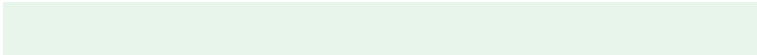
87.3642, 88.2343, 101.7255



87.6215, 88.2343, 92.1181

Sweetspot

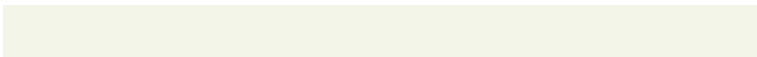
The Sweet Spot groups the original color and five complimentary colors.



80.4612, 88.2381, 90.6341



92.5599, 98.7901, 105.4506



83.7665, 89.9914, 88.5576



19.8377, 21.1578, 22.6070



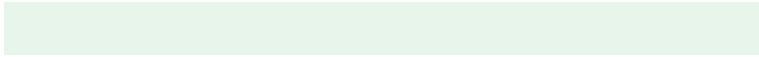
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

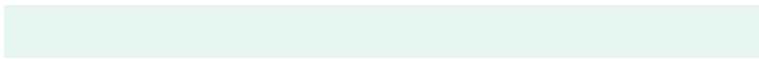
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4612, 88.2381, 90.6341



86.6085, 95.8997, 97.1446



81.4576, 88.6366, 95.8813



16.8461, 18.7333, 18.8590



17.9715, 35.3334, 7.8697



1.6159, 3.1200, 0.8833

Inverse Universe

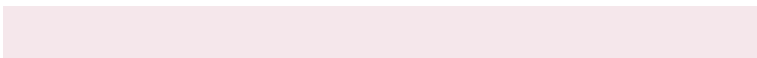
The Inverse Universe completely reimagines the original color for something new.



82.2624, 82.9773, 95.6893



89.0080, 88.8914, 103.8787



81.2593, 82.5761, 90.4069



17.3528, 17.2532, 20.2812



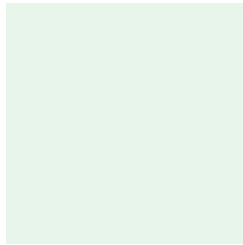
25.4955, 12.5416, 28.3812



2.2778, 1.1171, 2.6891

Previews

White Background



This preview shows how the XYZ color 80.4587, 88.2343, 90.6322 looks on a white background.

Color Contrast Check

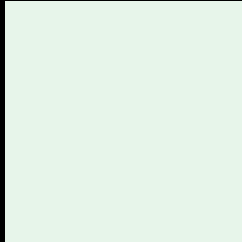
Large Text (above 18pt) WCAG AA × Fail

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 80.4587, 88.2343, 90.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

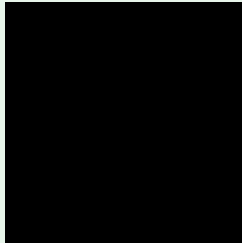
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

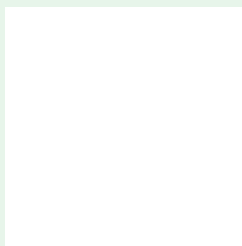
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4587, 88.2343, 90.6322

Background



This preview shows how black text looks on a background with the XYZ color 80.4587, 88.2343, 90.6322.



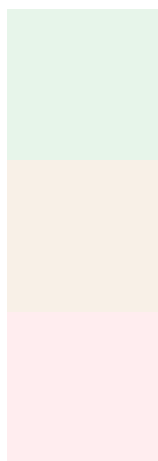
This preview shows how white text looks on a background with the XYZ color 80.4587, 88.2343,

90.6322.

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

80.4587, 88.2343, 90.6322

Protanopia

84.2953, 88.0462, 88.1531

Deuteranopia

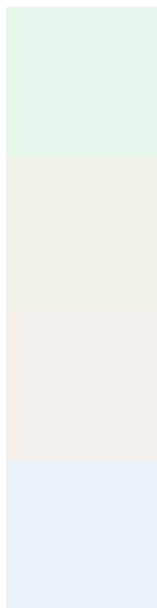
87.1042, 88.0604, 94.0678



Tritanopia

84.4303, 88.1351, 107.1696

Trichromacy



Original Color

80.4587, 88.2343, 90.6322

Protanomaly

82.9356, 88.2077, 88.9985

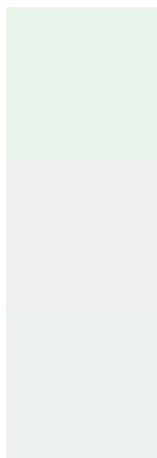
Deuteranomaly

84.4522, 88.0274, 92.6606

Tritanomaly

82.8016, 87.8818, 100.5945

Monochromacy



Original Color

80.4587, 88.2343, 90.6322

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1098, 87.6818, 93.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4587, 88.2343, 90.6322 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(231, 245, 234) looks like.

```
.text, #text, p{  
    color:rgb(231, 245, 234)  
}
```

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(231, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 245, 234) }
```

Border

The CSS property to change the border of an element to XYZ 80.4587, 88.2343, 90.6322 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(231, 245, 234) }
```


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

```
.border{ border-color:rgb(231, 245, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 245, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 245,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4587, 88.2343, 90.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 245, 234) }
```

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

```
.background{ background-color: rgb(231,  
245, 234) }
```

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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