

Converting Colors

XYZ(80.1201, 88.5101, 90.7033)

Have a look what the booklet for
XYZ(80.1201, 88.5101, 90.7033)
contains.

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Color

**XYZ(80.1201, 88.5101,
90.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F6EA
RGB	229, 246, 234
RGB Percent	90%, 96%, 92%
CMY	0.1020, 0.0353, 0.0823
CMYK	0.07, 0.00, 0.05, 0.04
HSL	138°, 49%, 93%
HSV	138°, 7%, 96%
XYZ	80.1201, 88.5101, 90.7033
YIQ	239.5490, -6.2800, -7.3360

Conversions

Conversions Part 2

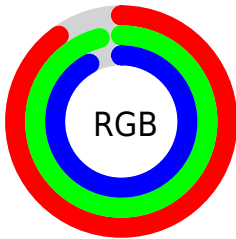
Format	Color
R _Y B	229, 242, 246
Decimal	15070954
CIE Lab	95.38, -7.74, 3.84
CIE LCh	95, 8.645, 153.616
Yxy	88.5101, 0.3089, 0.3413
Android (android.graphics.Color)	4293261034 (0xFFE5F6EA)
YUV	239.5490, -2.7357, -9.2515
Hunter-Lab	94.0798, -12.6258, 8.6938

Details

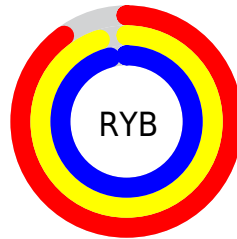
The XYZ color **80.1201, 88.5101, 90.7033** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.9057, 81.9844, 94.7309**, and the grayscale version is **82.4983, 86.7946, 94.5193**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9049, 49.0399, 49.2711** is the 20% darker color. If you saturate the color by 10%, you get **70.4464, 83.7999, 77.8594**, and if you desaturate by 10%, it is **91.1557, 93.8991, 104.8912**.

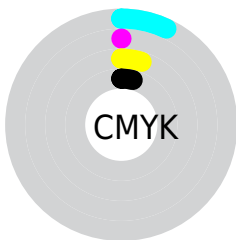
Distribution



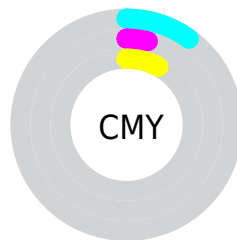
- Red (90%)
- Green (96%)
- Blue (92%)



- Red (90%)
- Yellow (95%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1201, 88.5101, 90.7033 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 80.1201, 88.5101, 90.7033 by changing the saturation by 10% instead.

80.1201, 88.5101,
90.7033

80.1201, 88.5101,
90.7033

484.0679,
523.1723, 550.9450

60.1260, 66.7456,
67.9871

132.4842,
145.2671, 150.2590

43.7700, 48.8779,
49.4206

165.5849,
181.0284, 187.9355

30.6869, 34.5226,
34.5853

203.7852,
222.2241, 231.4360

20.5112, 23.2954,
23.0626

247.4505,
269.2386, 281.1788

12.8776, 14.8118,
14.4340

296.9460,
322.4563, 337.5826

7.4207, 8.6874,
8.2810

352.6372,

3.7752, 4.5378,

382.2615, 401.0659

4.1849

414.8893,
449.0387, 472.0472

■ 1.5758, 1.9787,
1.7273

■ 0.3765, 0.5951,
0.3794

■ 80.1201, 88.5101,
90.7033

■ 80.1201, 88.5101,
90.7033

■ 70.4464, 83.7999,
77.8594

■ 91.1557, 93.8991,
104.8912

■ 62.0735, 79.7304,
66.3148

■ 92.2475, 94.3950,
107.9658

■ 54.9469, 76.2767,
56.0303

■ 49.0050, 73.4081,
46.9630

■ 44.1810, 71.0910,
39.0673

■ 40.4012, 69.2884,
32.2949

■ 37.5824, 67.9586,
26.5939

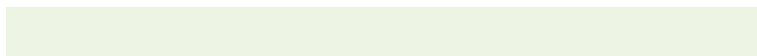
■ 35.6281, 67.0528,
21.9082

■ 34.4172, 66.5099,
18.1762

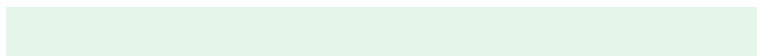
Harmonies

Analogous

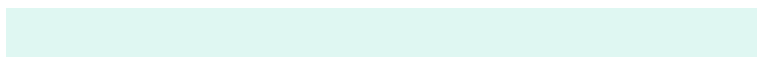
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6351, 88.5101, 85.9344



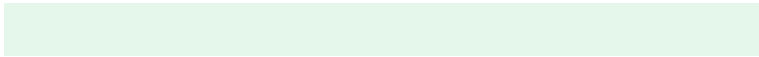
80.1201, 88.5101, 90.7033



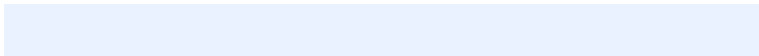
79.6714, 88.5101, 97.1957

Triad

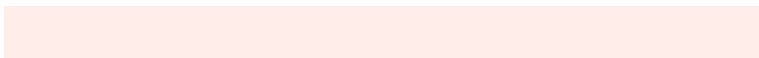
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1201, 88.5101, 90.7033



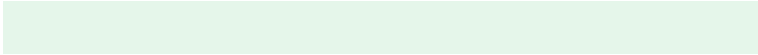
84.4132, 88.5101, 109.9550



87.9680, 88.5101, 89.3445

Complementary

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



80.1201, 88.5101, 90.7033



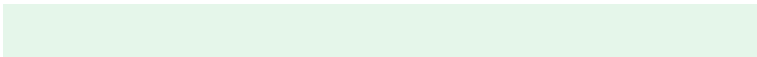
81.9057, 81.9844, 94.7309

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.



88.7440, 88.5101, 95.5538



80.1201, 88.5101, 90.7033



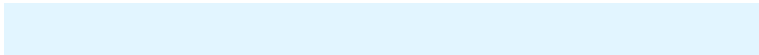
86.6675, 88.5101, 107.6232

Square

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



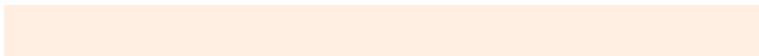
80.1201, 88.5101, 90.7033



82.1227, 88.5101, 108.5093



88.2637, 88.5101, 102.2730



86.1620, 88.5101, 85.1761

Rectangle

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



80.1201, 88.5101, 90.7033



80.0303, 88.5101, 101.6814



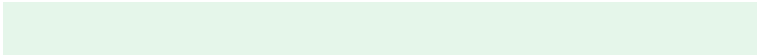
88.2637, 88.5101, 102.2730



88.3595, 88.5101, 91.2516

Sweetspot

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



80.1226, 88.5139, 90.7052



92.6242, 98.8158, 105.7891



83.4403, 90.3061, 87.1628



19.8508, 21.1631, 22.6759



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

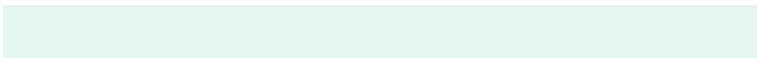
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1226, 88.5139, 90.7052



85.7064, 95.4411, 96.8102



81.3464, 89.0034, 97.1497



16.4827, 18.5522, 18.5601



18.2739, 35.4544, 9.4622



1.6492, 3.1333, 1.0584

Inverse Universe

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



81.9057, 81.9844, 94.7309



87.9330, 87.2875, 101.8369



80.6908, 81.4985, 88.3334



16.9938, 16.6804, 19.7140



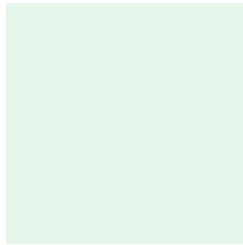
24.4107, 12.1077, 22.6688



2.1903, 1.0821, 2.2283

Previews

White Background



This preview shows how the XYZ color 80.1201, 88.5101, 90.7033 looks on a white background.

Color Contrast Check

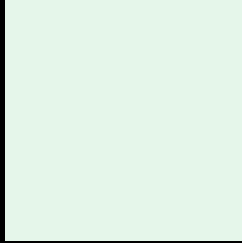
Large Text (above 18pt) WCAG AA × Fail

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 80.1201, 88.5101, 90.7033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

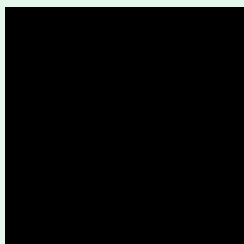
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

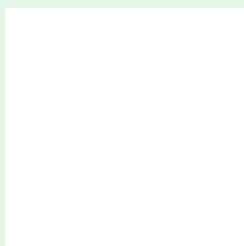
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1201, 88.5101, 90.7033

Background



This preview shows how black text looks on a background with the XYZ color 80.1201, 88.5101, 90.7033.



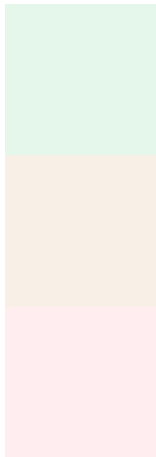
This preview shows how white text looks on a background with the XYZ color 80.1201, 88.5101,

90.7033.

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

80.1201, 88.5101, 90.7033

Protanopia

84.2953, 88.0462, 88.1531

Deuteranopia

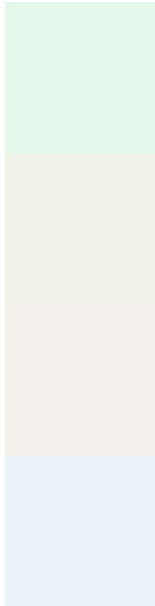
87.1042, 88.0604, 94.0678



Tritanopia

84.3942, 88.5571, 107.2529

Trichromacy



Original Color

80.1201, 88.5101, 90.7033

Protanomaly

82.5932, 88.0312, 88.9825

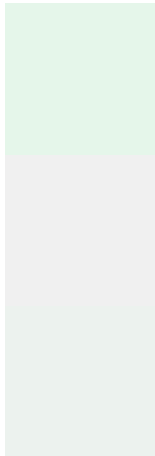
Deuteranomaly

84.4522, 88.0274, 92.6606

Tritanomaly

82.4434, 88.1402, 100.6632

Monochromacy



Original Color

80.1201, 88.5101, 90.7033

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.7768, 87.5102, 93.4700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1201, 88.5101, 90.7033 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(229, 246, 234) looks like.

```
.text, #text, p{  
    color:rgb(229, 246, 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(229, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 234) }
```

Border

The CSS property to change the border of an element to XYZ 80.1201, 88.5101, 90.7033 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(229, 246, 234) }
```


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

```
.border{ border-color:rgb(229, 246, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 246, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1201, 88.5101, 90.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 234) }
```

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

```
.background{ background-color: rgb(229,  
246, 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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