

Converting Colors

XYZ(78.3082, 87.2942, 80.7065)

Have a look what the booklet for
XYZ(78.3082, 87.2942, 80.7065)
contains.

XYZ(78.2038, 87.2951, 80.4380)	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(78.2038, 87.2951,
80.4380)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F5DC
RGB	230, 245, 220
RGB Percent	90%, 96%, 86%
CMY	0.0980, 0.0392, 0.1372
CMYK	0.06, 0.00, 0.10, 0.04
HSL	96°, 56%, 91%
HSV	96°, 10%, 96%
XYZ	78.2038, 87.2951, 80.4380
YIQ	237.6650, -0.9150, -10.9550

Conversions

Conversions Part 2

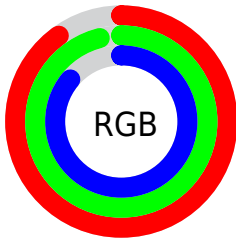
Format	Color
RYB	220, 245, 235
Decimal	15136220
CIELab	94.86, -9.33, 10.34
CIELCh	95, 13.933, 132.060
Yxy	87.2951, 0.3180, 0.3549
Android (android.graphics.Color)	4293326300 (0xFFE6F5DC)
YUV	237.6650, -8.7088, -6.7222
Hunter-Lab	93.4318, -14.0987, 14.3579

Details

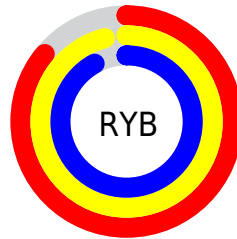
The XYZ color **78.2038, 87.2951, 80.4380** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.3390, 75.4435, 96.9293**, and the grayscale version is **81.0768, 85.2991, 92.8907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4447, 48.1105, 42.6465** is the 20% darker color. If you saturate the color by 10%, you get **70.6734, 83.7635, 64.3705**, and if you desaturate by 10%, it is **86.6126, 91.2297, 99.0326**.

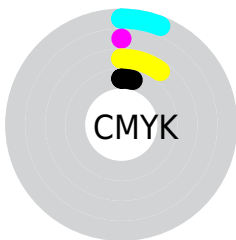
Distribution



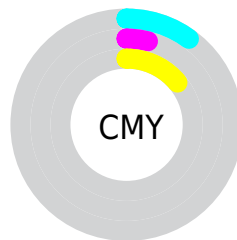
- Red (90%)
- Green (96%)
- Blue (86%)



- Red (86%)
- Yellow (96%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2038, 87.2951, 80.4380 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 78.2038, 87.2951, 80.4380 by changing the saturation by 10% instead.

78.2038, 87.2951,
80.4380

78.2038, 87.2951,
80.4380

477.6879,
519.1921, 516.1533

58.5448, 65.7394,
59.5506

129.8012,
143.5754, 135.7983

42.4917, 48.0609,
42.6336

162.4703,
179.0688, 171.1083

29.6793, 33.8751,
29.2684

200.2068,
219.9769, 212.0628

19.7422, 22.7977,
19.0367

243.3761,
266.6842, 259.0805

12.3149, 14.4442,
11.5197

292.3435,
319.5749, 312.5799

7.0323, 8.4303,
6.2990

347.4744,

3.5288, 4.3715,

379.0335, 372.9794

2.9560

409.1340,
445.4445, 440.6977

■ 1.4392, 1.8835,
1.0722

■ 0.2839, 0.5384,
0.0000

■ 78.2038, 87.2951,
80.4380

■ 78.2038, 87.2951,
80.4380

■ 70.6734, 83.7635,
64.3705

■ 86.6126, 91.2297,
99.0326

■ 63.9840, 80.6102,
50.7155

■ 91.9441, 93.7882,
107.8647

■ 58.1054, 77.8250,
39.3578

■ 53.0034, 75.3929,
30.1709

■ 48.6404, 73.2975,
23.0159

■ 44.9755, 71.5212,
17.7376

■ 41.9630, 70.0443,
14.1587

■ 39.5498, 68.8441,
12.0678

■ 37.6892, 67.9039,
11.1203

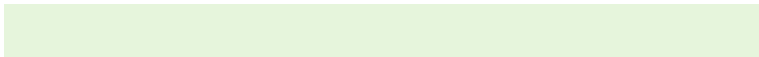
Harmonies

Analogous

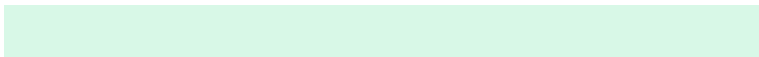
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4642, 87.2951, 76.1378



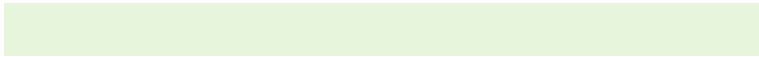
78.2038, 87.2951, 80.4380



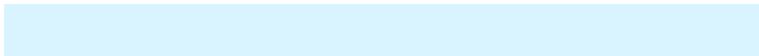
76.2565, 87.2951, 88.7901

Triad

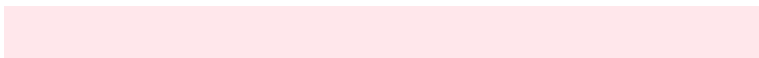
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2038, 87.2951, 80.4380



80.7560, 87.2951, 116.2270



90.2730, 87.2951, 90.7724

Complementary

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



78.2038, 87.2951, 80.4380



76.3390, 75.4435, 96.9293

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.



90.0694, 87.2951, 101.5964



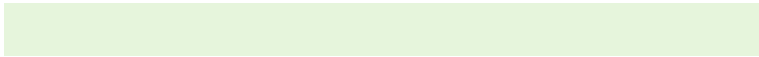
78.2038, 87.2951, 80.4380



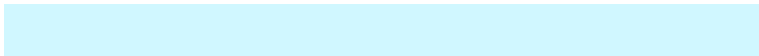
84.4970, 87.2951, 116.8591

Square

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



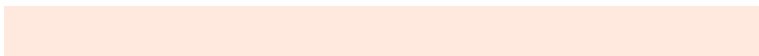
78.2038, 87.2951, 80.4380



77.6989, 87.2951, 109.6647



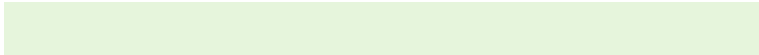
87.9289, 87.2951, 111.3313



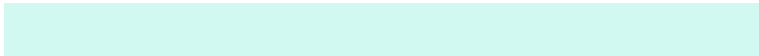
88.4771, 87.2951, 81.7942

Rectangle

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



78.2038, 87.2951, 80.4380



75.9278, 87.2951, 95.7988



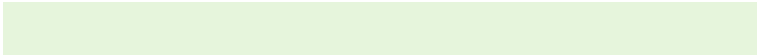
87.9289, 87.2951, 111.3313



90.4376, 87.2951, 94.3042

Sweetspot

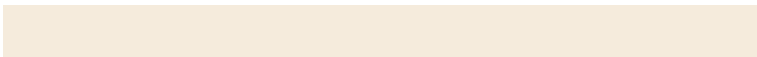
The Sweet Spot groups the original color and five complimentary colors.



78.2062, 87.2989, 80.4399



92.1738, 98.6567, 102.4637



80.2862, 83.9999, 79.6935



19.5677, 21.0412, 21.5726



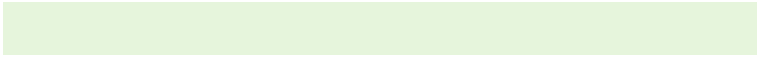
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.2062, 87.2989, 80.4399



84.0730, 94.8657, 84.6856



75.4221, 85.8251, 82.0514



16.9094, 18.7953, 17.5342



20.4489, 36.6546, 5.9973



1.9099, 3.2796, 0.5324

Inverse Universe

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



76.3390, 75.4435, 96.9293



81.6935, 79.7590, 105.6971



79.3549, 77.0421, 95.0910



16.5351, 16.4185, 20.8402



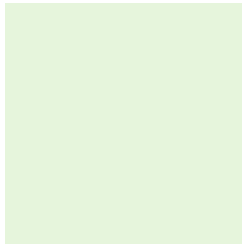
15.5235, 6.9770, 47.0665



1.4801, 0.6729, 4.1421

Previews

White Background



This preview shows how the XYZ color 78.2038, 87.2951, 80.4380 looks on a white background.

Color Contrast Check

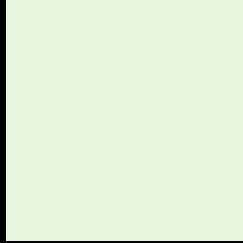
Large Text (above 18pt) WCAG AA × Fail

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 78.2038, 87.2951, 80.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

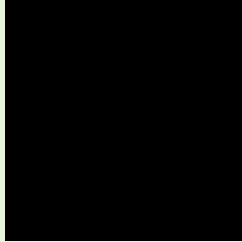
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

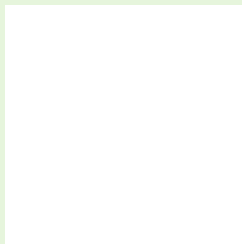
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2038, 87.2951, 80.4380

Background



This preview shows how black text looks on a background with the XYZ color 78.2038, 87.2951, 80.4380.



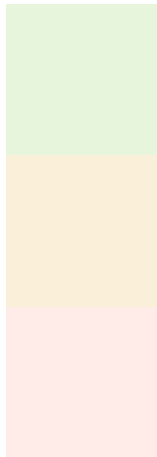
This preview shows how white text looks on a background with the XYZ color 78.2038, 87.2951,

80.4380.

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

78.2038, 87.2951, 80.4380

Protanopia

82.8152, 87.0668, 78.0864

Deuteranopia

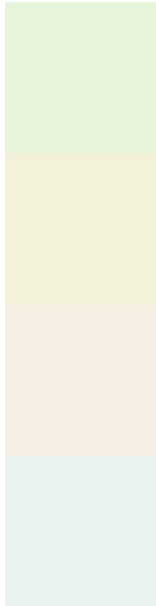
85.8009, 87.0771, 88.6293



Tritanopia

84.1351, 87.5447, 107.0712

Trichromacy



Original Color

78.2038, 87.2951, 80.4380

Protanomaly

81.0723, 87.0272, 78.8546

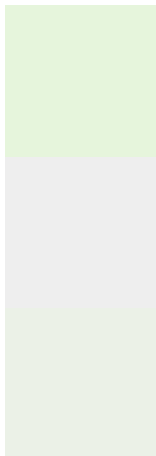
Deuteranomaly

82.8761, 86.9273, 85.8094

Tritanomaly

81.7108, 87.4075, 96.5691

Monochromacy



Original Color

78.2038, 87.2951, 80.4380

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.1401, 86.3423, 88.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2038, 87.2951, 80.4380 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(230, 245, 220) looks like.

```
.text, #text, p{  
    color:rgb(230, 245, 220)  
}
```

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(230, 245, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 245, 220) }
```

Border

The CSS property to change the border of an element to XYZ 78.2038, 87.2951, 80.4380 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(230, 245, 220) }
```


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

```
.border{ border-color:rgb(230, 245, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 245, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 245, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 245, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 245,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2038, 87.2951, 80.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 245, 220) }
```

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

```
.background{ background-color: rgb(230,  
245, 220) }
```

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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