

Converting Colors

XYZ(80.1878, 81.8025, 80.3570)

Have a look what the booklet for XYZ(80.1878, 81.8025, 80.3570) contains.

XYZ(80.1930, 81.8240, 80.6742) 3

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Color

**XYZ(80.1930, 81.8240,
80.6742)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E6DE
RGB	248, 230, 222
RGB Percent	97%, 90%, 87%
CMY	0.0274, 0.0980, 0.1294
CMYK	0.00, 0.07, 0.10, 0.03
HSL	18°, 65%, 92%
HSV	18°, 10%, 97%
XYZ	80.1930, 81.8240, 80.6742
YIQ	234.4700, 13.2960, 1.3280

Conversions

Conversions Part 2

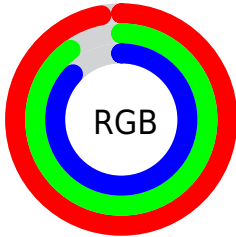
Format	Color
R _Y B	248, 234, 222
Decimal	16312030
CIE Lab	92.50, 4.80, 6.09
CIE LCh	92, 7.755, 51.718
Yxy	81.8240, 0.3304, 0.3372
Android (android.graphics.Color)	4294502110 (0xFF8E6DE)
YUV	234.4700, -6.1477, 11.8658
Hunter-Lab	90.4566, -0.0525, 10.4415

Details

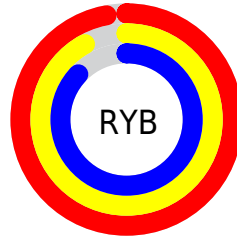
The XYZ color **80.1930, 81.8240, 80.6742** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2272, 84.6254, 101.0191**, and the grayscale version is **78.6029, 82.6964, 90.0564**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0433, 44.6564, 42.8574** is the 20% darker color. If you saturate the color by 10%, you get **72.5672, 71.5057, 62.9217**, and if you desaturate by 10%, it is **88.7827, 93.2859, 101.1620**.

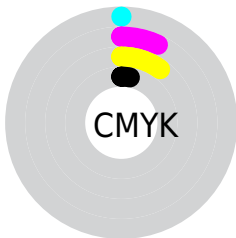
Distribution



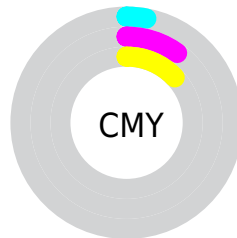
- Red (97%)
- Green (90%)
- Blue (87%)



- Red (97%)
- Yellow (92%)
- Blue (87%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (3%)





- Cyan (3%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1930, 81.8240, 80.6742 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 80.1930, 81.8240, 80.6742 by changing the saturation by 10% instead.

 80.1930, 81.8240,
80.6742

 80.1930, 81.8240,
80.6742


484.3097,
501.0588, 516.9686

 60.1862, 61.2205,
59.7439


132.5861,
135.9272, 136.1332

 43.8188, 44.4031,
42.7883


165.7032,
170.1956, 171.4989

 30.7254, 30.9876,
29.3889


203.9210,
209.7878, 212.5135

 20.5406, 20.5894,
19.1271

247.6050,
255.0881, 259.5955

 12.8992, 12.8242,
11.5844

297.1206,
306.4810, 313.1635

 7.4357, 7.3076,
6.3423

352.8329,

 3.7848, 3.6552,

364.3508, 373.6360

2.9822

415.1075,
429.0819, 441.4315

■ 1.5811, 1.4826,
1.0855

■ 0.3800, 0.2764,
0.0000

■ 80.1930, 81.8240,
80.6742

■ 80.1930, 81.8240,
80.6742

■ 72.5672, 71.5057,
62.9217

■ 88.7827, 93.2859,
101.1620

■ 65.8637, 62.2845,
47.7829

■ 92.5218, 98.6966,
108.7817

■ 60.0478, 54.1267,
35.1344

■ 55.0799, 46.9926,
24.8412

■ 50.9171, 40.8399,
16.7548

■ 47.5125, 35.6233,
10.7101

■ 44.8135, 31.2931,
6.5181

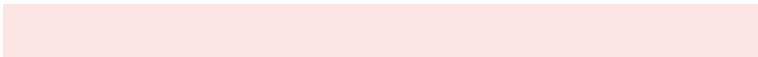
■ 42.7594, 27.7947,
3.9538

■ 41.3205, 25.1741,
2.6813

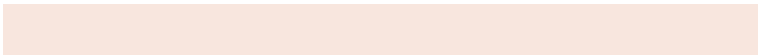
Harmonies

Analogous

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



81.4214, 81.8240, 85.0546



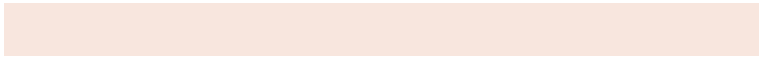
80.1930, 81.8240, 80.6742



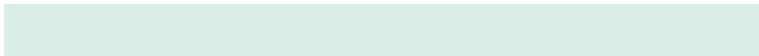
78.3299, 81.8240, 78.5708

Triad

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



80.1930, 81.8240, 80.6742



74.0050, 81.8240, 87.5059



79.2118, 81.8240, 99.7883

Complementary

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



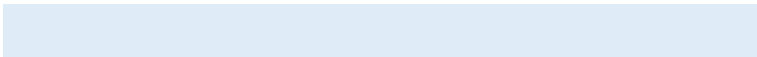
80.1930, 81.8240, 80.6742



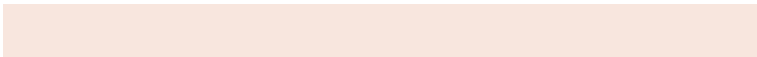
78.2272, 84.6254, 101.0191

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.



77.2153, 81.8240, 100.5138



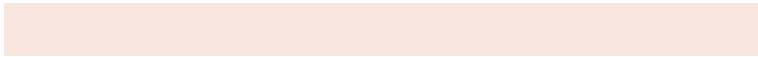
80.1930, 81.8240, 80.6742



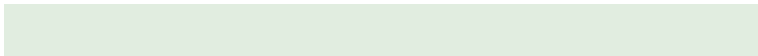
74.2319, 81.8240, 93.2561

Square

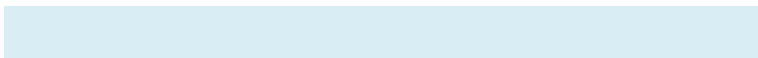
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1930, 81.8240, 80.6742



74.7735, 81.8240, 82.4023



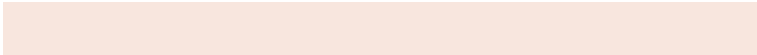
75.3988, 81.8240, 98.0768



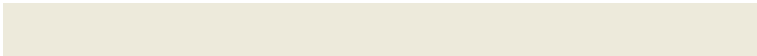
80.8481, 81.8240, 96.1352

Rectangle

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



80.1930, 81.8240, 80.6742



76.9881, 81.8240, 78.6770



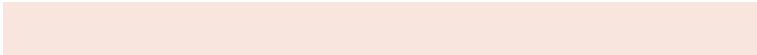
75.3988, 81.8240, 98.0768



78.5597, 81.8240, 100.3888

Sweetspot

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



80.1953, 81.8276, 80.6759



92.1766, 96.1852, 101.9865



80.5915, 78.5033, 93.4999



19.5687, 20.3734, 21.4436



0.0000, 0.0000, 0.0000



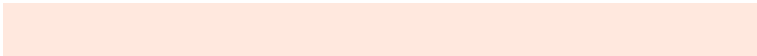
20.3446, 21.4041, 23.3091

Same Dimension

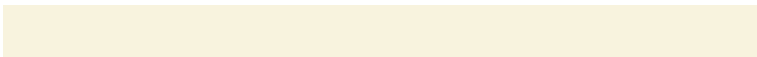
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1953, 81.8276, 80.6759



83.2770, 84.2705, 80.8785



83.8879, 89.2129, 81.9068



17.6804, 18.0967, 18.0236



22.4297, 13.8161, 1.4846



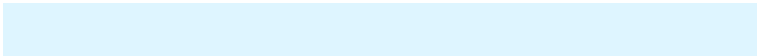
2.1670, 1.4589, 0.1674

Inverse Universe

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



78.2272, 84.6254, 101.0191



80.7185, 87.9063, 107.3210



74.5924, 77.3557, 99.8074



17.2885, 18.6539, 22.0747



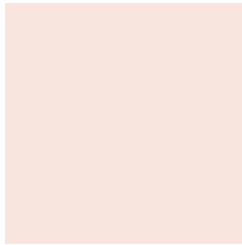
17.2162, 19.7879, 50.8856



1.6884, 2.0206, 4.7442

Previews

White Background



This preview shows how the XYZ color 80.1930, 81.8240, 80.6742 looks on a white background.

Color Contrast Check

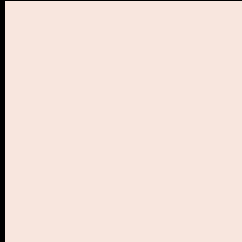
Large Text (above 18pt) WCAG AA × Fail

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 80.1930, 81.8240, 80.6742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

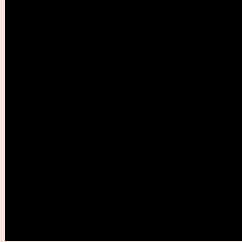
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

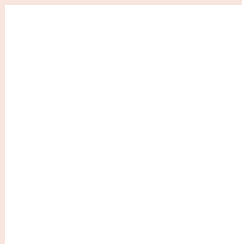
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1930, 81.8240, 80.6742

Background



This preview shows how black text looks on a background with the XYZ color 80.1930, 81.8240, 80.6742.



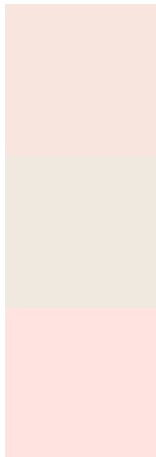
This preview shows how white text looks on a background with the XYZ color 80.1930, 81.8240,

80.6742.

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

80.1930, 81.8240, 80.6742

Protanopia

78.3934, 82.1308, 81.5331

Deuteranopia

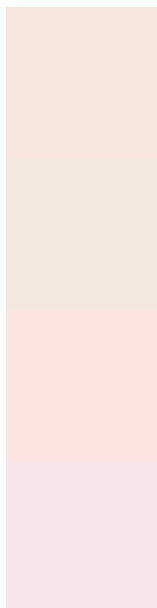
82.2997, 81.6344, 82.6535



Tritanopia

83.5819, 81.9791, 97.0063

Trichromacy



Original Color

80.1930, 81.8240, 80.6742

Protanomaly

79.1380, 82.0956, 81.4871

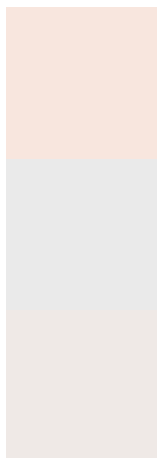
Deuteranomaly

81.3428, 81.5641, 81.9772

Tritanomaly

82.3081, 81.8669, 90.8207

Monochromacy



Original Color

80.1930, 81.8240, 80.6742

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0184, 82.3417, 86.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1930, 81.8240, 80.6742 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(248, 230, 222) looks like.

```
.text, #text, p{  
    color:rgb(248, 230, 222)  
}
```

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(248, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 230, 222) }
```

Border

The CSS property to change the border of an element to XYZ 80.1930, 81.8240, 80.6742 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(248, 230, 222) }
```


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

```
.border{ border-color:rgb(248, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(248, 230,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1930, 81.8240, 80.6742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 230, 222) }
```

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

```
.background{ background-color: rgb(248,  
230, 222) }
```

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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