

# Converting Colors

XYZ(79.8351, 82.0835, 79.7138)

Have a look what the booklet for  
XYZ(79.8351, 82.0835, 79.7138)  
contains.

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# Color

**XYZ(79.9848, 82.1464,  
80.0468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E7DD
RGB	247, 231, 221
RGB Percent	97%, 91%, 87%
CMY	0.0314, 0.0941, 0.1333
CMYK	0.00, 0.06, 0.11, 0.03
HSL	23°, 62%, 92%
HSV	23°, 11%, 97%
XYZ	79.9848, 82.1464, 80.0468
YIQ	234.6440, 12.7460, 0.2820

# Conversions

## Conversions Part 2

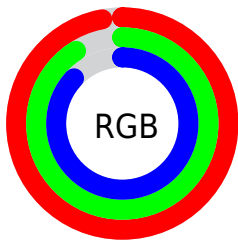
Format	Color
R <sub>Y</sub> B	247, 237, 221
Decimal	16246749
CIE Lab	92.64, 3.78, 6.80
CIE LCh	93, 7.784, 60.931
Yxy	82.1464, 0.3303, 0.3392
Android (android.graphics.Color)	4294436829 (0xFFF7E7DD)
YUV	234.6440, -6.7265, 10.8362
Hunter-Lab	90.6347, -1.0849, 11.0805

# Details

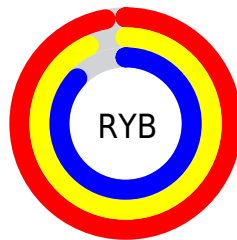
The XYZ color **79.9848, 82.1464, 80.0468** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8912, 82.6544, 99.8978**, and the grayscale version is **78.7396, 82.8402, 90.2129**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6988, 44.4895, 42.3605** is the 20% darker color. If you saturate the color by 10%, you get **72.8635, 72.7881, 62.6139**, and if you desaturate by 10%, it is **87.9641, 92.4442, 100.1563**.

# Distribution



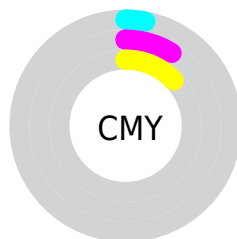
- Red (97%)
- Green (91%)
- Blue (87%)



- Red (97%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (11%)
- Black (3%)




- Cyan (3%)
- Magenta (9%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9848, 82.1464, 80.0468 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 79.9848, 82.1464, 80.0468 by changing the saturation by 10% instead.




 79.9848, 82.1464,  
80.0468

 79.9848, 82.1464,  
80.0468


483.6189,  
502.1373, 514.8015

 60.0143, 61.4862,  
59.2305


132.2950,  
136.3793, 135.2435

 43.6796, 44.6177,  
42.3774


165.3654,  
170.7208, 170.4610

 30.6156, 31.1564,  
29.0692


203.5331,  
210.3915, 211.3159

 20.4567, 20.7180,  
18.8871

247.1635,  
255.7758, 258.2269

 12.8376, 12.9180,  
11.4128

296.6219,  
307.2582, 311.6124

 7.3931, 7.3721,  
6.2275

352.2737,

 3.7576, 3.6959,

365.2229, 371.8909

2.9129

414.4843,  
430.0545, 439.4811

■ 1.5659, 1.5049,  
1.0503

■ 0.3701, 0.2922,  
0.0000

■ 79.9848, 82.1464,  
80.0468

■ 79.9848, 82.1464,  
80.0468

■ 72.8635, 72.7881,  
62.6139

■ 87.9641, 92.4442,  
100.1563

■ 66.5631, 64.3313,  
47.7383

■ 92.1681, 98.5143,  
108.7651

■ 61.0535, 56.7511,  
35.2994

■ 56.3000, 50.0175,  
25.1648

■ 52.2651, 44.0984,  
17.1893

■ 48.9075, 38.9595,  
11.2110

■ 46.1812, 34.5636,  
7.0447

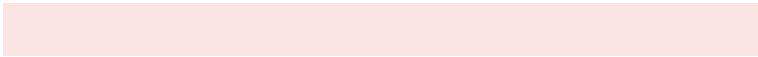
■ 44.0325, 30.8691,  
4.4694

■ 42.4542, 27.9665,  
3.1605

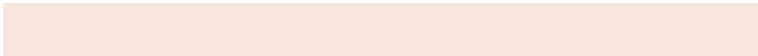
# Harmonies

## Analogous

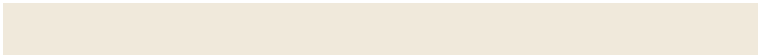
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4655, 82.1464, 83.8334



79.9848, 82.1464, 80.0468



78.0145, 82.1464, 78.7507

# Triad

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



79.9848, 82.1464, 80.0468



74.2489, 82.1464, 89.6247



80.0962, 82.1464, 99.3538

# Complementary

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



79.9848, 82.1464, 80.0468



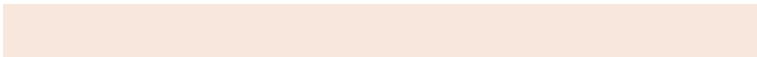
76.8912, 82.6544, 99.8978

# 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.



78.1409, 82.1464, 101.0628



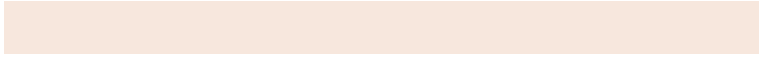
79.9848, 82.1464, 80.0468



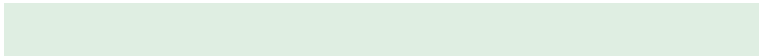
74.7852, 82.1464, 95.2984

# Square

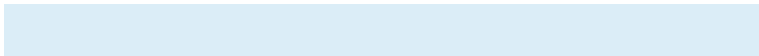
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9848, 82.1464, 80.0468



74.7237, 82.1464, 84.1342



76.2011, 82.1464, 99.5482



81.5305, 82.1464, 94.9715



# Rectangle

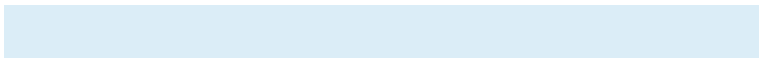
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9848, 82.1464, 80.0468



76.6950, 82.1464, 79.4273



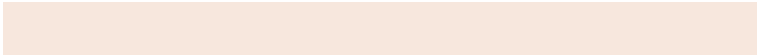
76.2011, 82.1464, 99.5482



79.4769, 82.1464, 100.2682

# Sweetspot

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



79.9871, 82.1500, 80.0486



92.3595, 96.5509, 102.0474



79.5061, 77.6046, 90.9360



19.6179, 20.4719, 21.4601



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

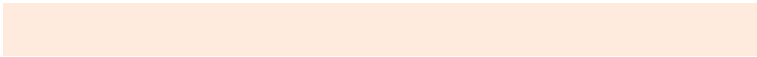


# Same Dimension

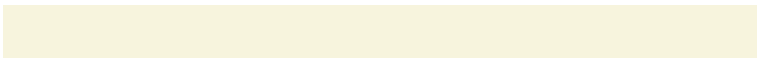
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9871, 82.1500, 80.0486



84.0003, 85.7170, 81.1196



83.7505, 89.6769, 81.3030



17.0219, 17.5279, 17.2836



22.5796, 15.0447, 1.7138

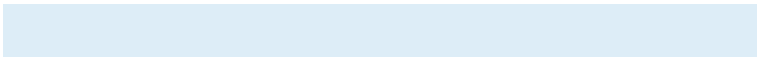


2.0808, 1.5149, 0.1827

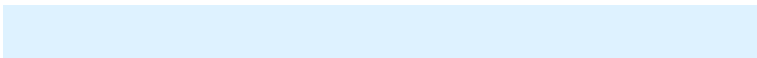


# Inverse Universe

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



76.8912, 82.6544, 99.8978



79.9532, 86.3757, 107.0659



73.2730, 75.4180, 98.6917



16.4300, 17.6244, 21.0785



14.9552, 15.7043, 48.7810

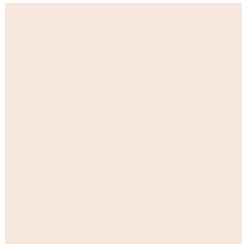


1.4137, 1.5789, 4.3205



# Previews

## White Background



This preview shows how the XYZ color 79.9848, 82.1464, 80.0468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

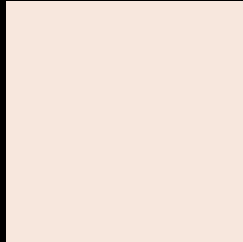
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9848, 82.1464, 80.0468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

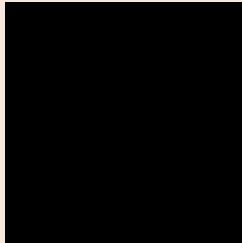
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.9848, 82.1464, 80.0468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9848, 82.1464, 80.0468.



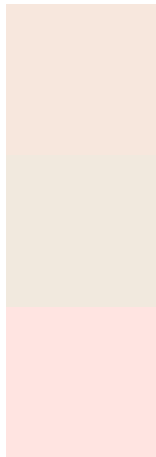
This preview shows how white text looks on a background with the XYZ color 79.9848, 82.1464,

80.0468.

# 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

79.9848, 82.1464, 80.0468

### Protanopia

78.5994, 82.2525, 80.8409

### Deuteranopia

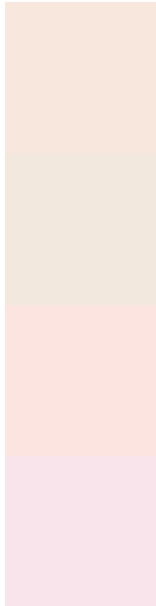
82.5740, 82.1830, 82.7450



## Tritanopia

83.3749, 81.8547, 97.7914

# Trichromacy



## Original Color

79.9848, 82.1464, 80.0468

## Protanomaly

79.0036, 82.0418, 80.7790

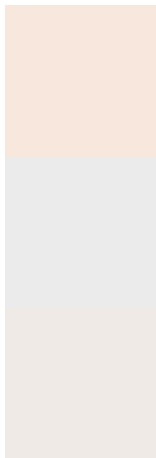
## Deuteranomaly

81.6187, 82.1159, 82.0692

## Tritanomaly

81.9506, 81.6827, 90.8039

# Monochromacy



## Original Color

79.9848, 82.1464, 80.0468

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.3023, 82.9095, 86.6864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9848, 82.1464, 80.0468 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(247, 231, 221)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 221)  
}
```

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(247, 231, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9848, 82.1464, 80.0468 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(247, 231, 221) }
```



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

```
.border{ border-color:rgb(247, 231, 221) }
```

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

Here you see how a box with a 4 pixel rgb(247, 231, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 221);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9848, 82.1464, 80.0468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 221) }
```

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

```
.background{ background-color: rgb(247,  
231, 221) }
```

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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