

# Converting Colors

XYZ(78.4050, 80.7801, 73.5939)

Have a look what the booklet for  
XYZ(78.4050, 80.7801, 73.5939)  
contains.

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# **Color**

**XYZ(78.2607, 80.5662,  
73.7134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E5D4
RGB	247, 229, 212
RGB Percent	97%, 90%, 83%
CMY	0.0314, 0.1019, 0.1686
CMYK	0.00, 0.07, 0.14, 0.03
HSL	29°, 69%, 90%
HSV	29°, 14%, 97%
XYZ	78.2607, 80.5662, 73.7134
YIQ	232.4440, 16.1850, -1.4710

# Conversions

## Conversions Part 2

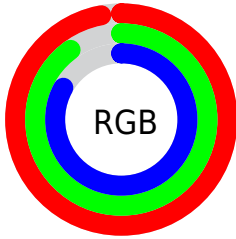
Format	Color
R <sub>Y</sub> B	247, 245, 212
Decimal	16246228
CIE Lab	91.94, 3.39, 10.49
CIE LCh	92, 11.020, 72.097
Yxy	80.5662, 0.3365, 0.3465
Android (android.graphics.Color)	4294436308 (0xFFFF7E5D4)
YUV	232.4440, -10.0789, 12.7656
Hunter-Lab	89.7587, -1.4433, 14.1398

# Details

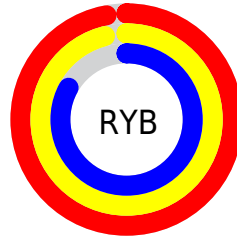
The XYZ color **78.2607, 80.5662, 73.7134** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2363, 77.3045, 99.1103**, and the grayscale version is **77.1009, 81.1162, 88.3355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4571, 43.6536, 38.0865** is the 20% darker color. If you saturate the color by 10%, you get **71.9945, 72.6440, 57.4104**, and if you desaturate by 10%, it is **85.2651, 89.2004, 92.6160**.

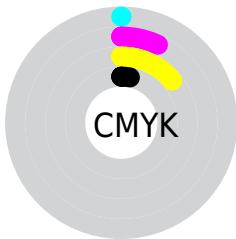
# Distribution



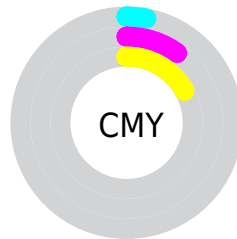
- Red (97%)
- Green (90%)
- Blue (83%)



- Red (97%)
- Yellow (96%)
- Blue (83%)



- Cyan (0%)
- Magenta (7%)
- Yellow (14%)
- Black (3%)




- Cyan (3%)
- Magenta (10%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2607, 80.5662, 73.7134 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 78.2607, 80.5662, 73.7134 by changing the saturation by 10% instead.




 78.2607, 80.5662,  
73.7134

 78.2607, 80.5662,  
73.7134


477.8780,  
496.8389, 492.6205

 58.5917, 60.1844,  
54.0641


129.8810,  
134.1615, 126.2197

 42.5296, 43.5673,  
38.2594


162.5630,  
168.1438, 159.9139

 29.7091, 30.3305,  
25.8807


200.3133,  
207.4283, 199.1267

 19.7649, 20.0896,  
16.5094

243.4974,  
252.3995, 244.2768

 12.3315, 12.4602,  
9.7271

292.4805,  
303.4418, 295.7827

 7.0437, 7.0579,  
5.1152

347.6281,

 3.5360, 3.4983,

360.9395, 354.0630

2.2551

409.3055,  
425.2771, 419.5360

■ 1.4431, 1.3971,  
0.7059

■ 0.2867, 0.2146,  
0.0000

■ 78.2607, 80.5662,  
73.7134

■ 78.2607, 80.5662,  
73.7134

■ 71.9945, 72.6440,  
57.4104

■ 85.2651, 89.2004,  
92.6160

■ 66.4328, 65.4034,  
43.5862

■ 91.9786, 98.1353,  
108.7020

■ 61.5489, 58.8276,  
32.1183

■ 92.1681, 98.5143,  
108.7651

■ 57.3118, 52.8946,  
22.8713

■ 53.6873, 47.5811,  
15.6962

■ 50.6377, 42.8620,  
10.4252

■ 48.1199, 38.7095,  
6.8637

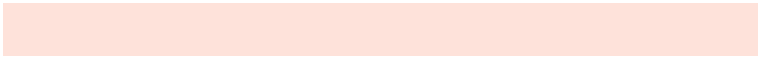
■ 46.0824, 35.0918,  
4.7745

■ 45.0751, 33.2084,  
4.0341

# Harmonies

## Analogous

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



80.6848, 80.5662, 77.6848



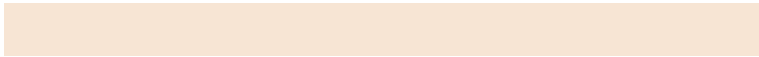
78.2607, 80.5662, 73.7134



75.4410, 80.5662, 73.3502

# Triad

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



78.2607, 80.5662, 73.7134



71.3774, 80.5662, 91.0295



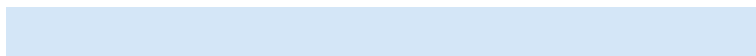
80.2819, 80.5662, 99.8019

# Complementary

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



78.2607, 80.5662, 73.7134



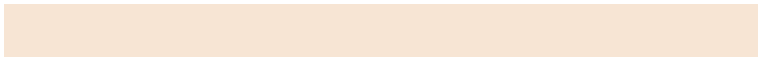
72.2363, 77.3045, 99.1103

# 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.



77.7218, 80.5662, 103.8602



78.2607, 80.5662, 73.7134



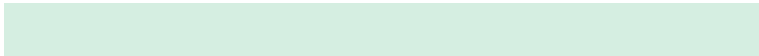
72.6087, 80.5662, 98.5905

# Square

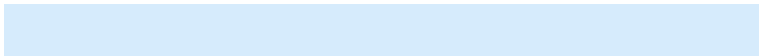
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2607, 80.5662, 73.7134



71.5136, 80.5662, 83.0190



74.9152, 80.5662, 103.4037

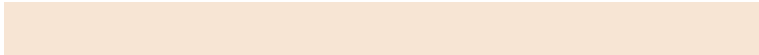


81.8714, 80.5662, 92.6012



# Rectangle

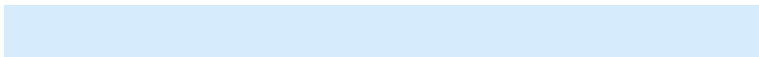
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2607, 80.5662, 73.7134



73.7206, 80.5662, 75.1721



74.9152, 80.5662, 103.4037



79.5037, 80.5662, 101.5982

# Sweetspot

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



78.2629, 80.5698, 73.7151



91.8006, 96.0598, 99.9292



76.1968, 72.5800, 84.9185



19.5215, 20.4051, 21.0391



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

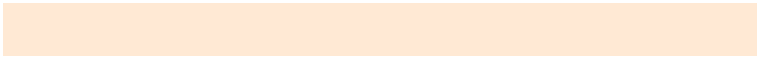


# Same Dimension

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



78.2629, 80.5698, 73.7151



82.1369, 84.1104, 73.9620



83.3248, 90.6936, 75.4024



17.1637, 17.8115, 17.3309



23.9796, 17.8448, 2.1805

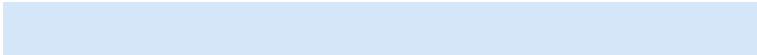


2.2100, 1.7733, 0.2258

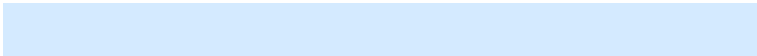


# Inverse Universe

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



72.2363, 77.3045, 99.1103



74.5059, 79.9757, 106.1177



67.6305, 68.0928, 97.5750



16.2858, 17.3359, 21.0304



13.0353, 11.8643, 48.1410

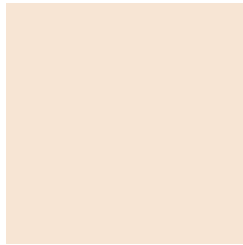


1.2486, 1.2486, 4.2654



# Previews

## White Background



This preview shows how the XYZ color 78.2607, 80.5662, 73.7134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

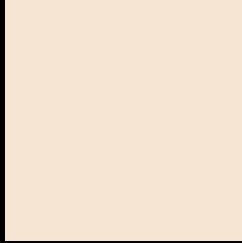
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2607, 80.5662, 73.7134 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

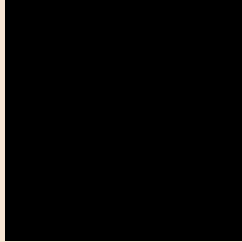
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.2607, 80.5662, 73.7134**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.2607, 80.5662, 73.7134.



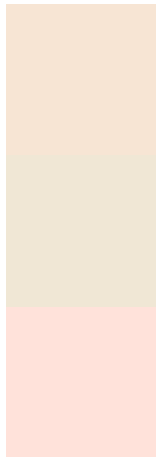
This preview shows how white text looks on a background with the XYZ color 78.2607, 80.5662,

73.7134.

# 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

78.2607, 80.5662, 73.7134

### Protanopia

76.5213, 80.4812, 74.4521

### Deuteranopia

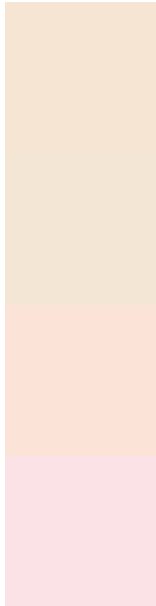
81.0912, 80.7147, 77.6352



## Tritanopia

82.7359, 80.7705, 95.2340

# Trichromacy



## Original Color

78.2607, 80.5662, 73.7134

## Protanomaly

77.2692, 80.4524, 74.4071

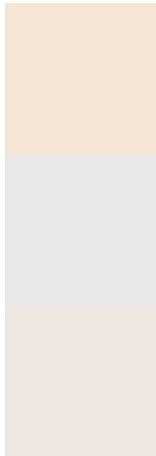
## Deuteranomaly

80.0086, 80.5915, 76.3046

## Tritanomaly

81.0445, 80.4862, 86.8652

# Monochromacy



## Original Color

78.2607, 80.5662, 73.7134

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.0916, 80.5926, 82.7269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2607, 80.5662, 73.7134 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, 229, 212) looks like.

```
.text, #text, p{  
    color:rgb(247, 229, 212)  
}
```

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, 229, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2607, 80.5662, 73.7134 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, 229, 212) }
```



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

```
.border{ border-color:rgb(247, 229, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 229, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 229, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 229, 212); box-shadow:4px 4px 4px 4px rgb(247, 229, 212) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2607, 80.5662, 73.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 229, 212) }
```

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

```
.background{ background-color: rgb(247,  
229, 212) }
```

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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