

# Converting Colors

XYZ(75.6682, 78.6082, 64.6108)

Have a look what the booklet for  
XYZ(75.6682, 78.6082, 64.6108)  
contains.

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# **Color**

**XYZ(75.6682, 78.6082,  
64.6108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E3C6
RGB	246, 227, 198
RGB Percent	96%, 89%, 78%
CMY	0.0353, 0.1098, 0.2235
CMYK	0.00, 0.08, 0.20, 0.04
HSL	36°, 73%, 87%
HSV	36°, 20%, 96%
XYZ	75.6682, 78.6082, 64.6108
YIQ	229.3750, 20.6330, -4.9910

# Conversions

## Conversions Part 2

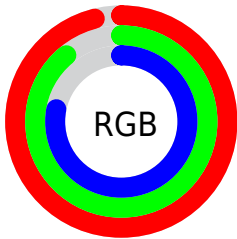
<b>Format</b>	<b>Color</b>
<b>RYB</b>	229, 246, 198
Decimal	16180166
CIELab	91.06, 1.95, 16.52
CIElCh	91, 16.630, 83.250
Yxy	78.6082, 0.3457, 0.3591
Android (android.graphics.Color)	4294370246 (0xFFFF6E3C6)
YUV	229.3750, -15.4679, 14.5801
Hunter-Lab	88.6613, -2.8159, 18.8560

# Details

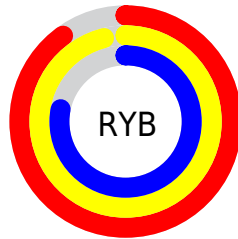
The XYZ color **75.6682, 78.6082, 64.6108** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.7358, 68.2838, 96.9576**, and the grayscale version is **74.8538, 78.7521, 85.7610**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7728, 42.3375, 32.4085** is the 20% darker color. If you saturate the color by 10%, you get **70.4708, 72.3912, 49.9979**, and if you desaturate by 10%, it is **81.4812, 85.3178, 81.7044**.

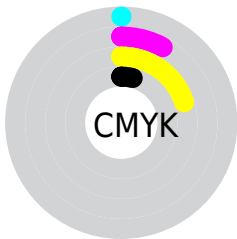
# Distribution



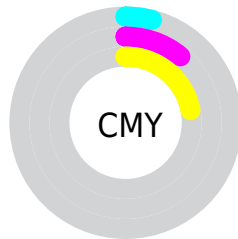
- Red (96%)
- Green (89%)
- Blue (78%)



- Red (90%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6682, 78.6082, 64.6108 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 75.6682, 78.6082, 64.6108 by changing the saturation by 10% instead.



75.6682, 78.6082,  
64.6108

75.6682, 78.6082,  
64.6108

469.1730,  
490.2299, 459.6599

56.4566, 58.5737,  
46.6962

126.2406,  
131.4071, 113.0980

40.8075, 42.2701,  
32.4429

158.3322,  
164.9404, 144.5078

28.3557, 29.3128,  
21.4324

195.4477,  
203.7421, 181.2530

18.7358, 19.3176,  
13.2461

237.9526,  
248.1965, 223.7522

11.5824, 11.9000,  
7.4655

286.2122,  
298.6881, 272.4239

6.5302, 6.6756,  
3.6721

340.5919,

3.2138, 3.2601,

355.6013, 327.6868

1.4472

401.4571,  
419.3204, 389.9593

■ 1.2678, 1.2690,  
0.1782

■ 0.1589, 0.1170,  
0.0000

■ 75.6682, 78.6082,  
64.6108

■ 75.6682, 78.6082,  
64.6108

■ 70.4708, 72.3912,  
49.9979

■ 81.4812, 85.3178,  
81.7044

■ 65.8582, 66.6423,  
37.7429

■ 87.9268, 92.5224,  
101.3835

■ 61.8057, 61.3505,  
27.7200

■ 91.8163, 98.3330,  
108.7487

■ 58.2846, 56.4999,  
19.7893

■ 55.2626, 52.0735,  
13.7954

■ 52.7036, 48.0524,  
9.5605

■ 50.5647, 44.4150,  
6.8736

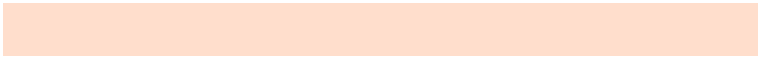
■ 48.7802, 41.1302,  
5.4024

■ 48.6985, 40.9773,  
5.3427

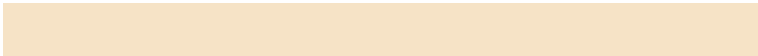
# Harmonies

## Analogous

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



79.6530, 78.6082, 68.3601



75.6682, 78.6082, 64.6108



71.5711, 78.6082, 66.0460

# Triad

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



75.6682, 78.6082, 64.6108



67.5358, 78.6082, 95.0520



81.3760, 78.6082, 100.1926

# Complementary

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



75.6682, 78.6082, 64.6108



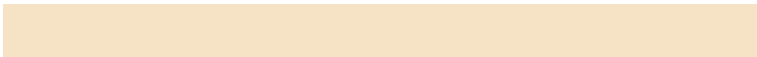
64.7358, 68.2838, 96.9576

# Split Complementary

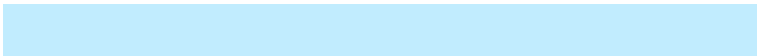
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9491, 78.6082, 108.6552



75.6682, 78.6082, 64.6108



69.9850, 78.6082, 105.4983

# Square

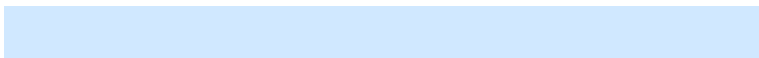
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6682, 78.6082, 64.6108



66.9764, 78.6082, 82.9005



73.7693, 78.6082, 110.6824

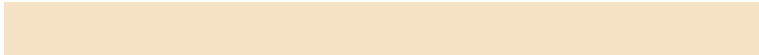


83.0273, 78.6082, 88.3390



# Rectangle

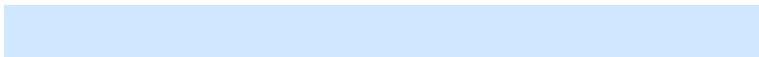
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6682, 78.6082, 64.6108



69.3153, 78.6082, 69.8219



73.7693, 78.6082, 110.6824



80.3875, 78.6082, 103.5716

# Sweetspot

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



75.6703, 78.6117, 64.6125



90.7824, 95.2510, 95.8051



70.7514, 65.0022, 74.6007



19.3350, 20.2795, 20.2145



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.



75.6703, 78.6117, 64.6125



80.0413, 82.8567, 64.2080



79.4935, 88.7255, 66.3631



17.3323, 18.1487, 17.3871



26.1339, 22.1534, 2.8986



2.3970, 2.1473, 0.2881



# Inverse Universe

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



64.7358, 68.2838, 96.9576



66.3839, 69.9584, 104.6123



61.4038, 59.7115, 95.4786



16.1192, 17.0027, 20.9748



11.3054, 8.4046, 47.5644

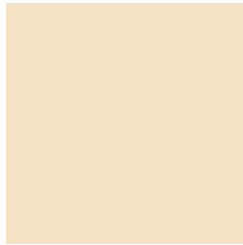


1.0909, 0.9333, 4.2129



# Previews

## White Background



This preview shows how the XYZ color 75.6682, 78.6082, 64.6108 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 75.6682, 78.6082, 64.6108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

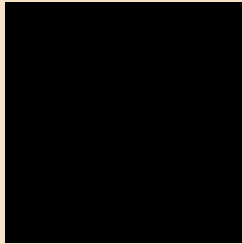
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

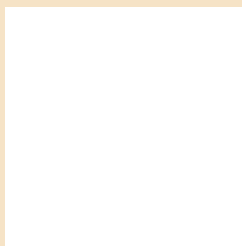
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6682, 78.6082, 64.6108**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6682, 78.6082, 64.6108.



This preview shows how white text looks on a background with the XYZ color 75.6682, 78.6082,



# 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

75.6682, 78.6082, 64.6108

### Protanopia

74.6037, 78.8629, 65.3229

### Deuteranopia

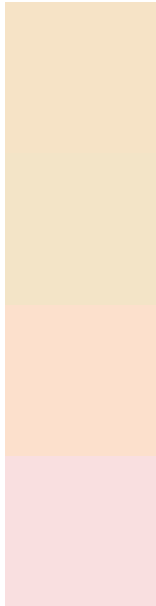
78.8902, 78.5403, 70.0333



## **Tritanopia**

81.2201, 78.4541, 92.5238

# Trichromacy



## Original Color

75.6682, 78.6082, 64.6108

## Protanomaly

75.0144, 78.6650, 65.2630

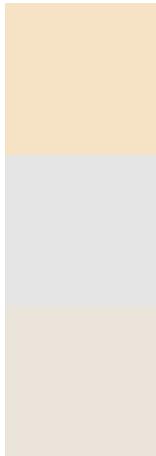
## Deuteranomaly

77.6996, 78.3664, 68.1578

## Tritanomaly

78.9091, 78.2969, 81.4749

# Monochromacy



## Original Color

75.6682, 78.6082, 64.6108

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.6592, 78.2109, 77.4909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6682, 78.6082, 64.6108 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(246, 227, 198)` looks like.

```
.text, #text, p{  
    color:rgb(246, 227, 198)  
}
```

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(246, 227, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 227, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6682, 78.6082, 64.6108 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(246, 227, 198) }
```



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

```
.border{ border-color:rgb(246, 227, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 227, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 227, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 227, 198);  
box-shadow:4px 4px 4px 4px rgb(246, 227,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6682, 78.6082, 64.6108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 227, 198) }
```

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

```
.background{ background-color: rgb(246,  
227, 198) }
```

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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