

# Converting Colors

XYZ(74.1808, 78.0178, 63.4757)

Have a look what the booklet for  
XYZ(74.1808, 78.0178, 63.4757)  
contains.

<b>XYZ(74.0508, 77.8009, 63.3387)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(74.0508, 77.8009,  
63.3387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E3C4
RGB	242, 227, 196
RGB Percent	95%, 89%, 77%
CMY	0.0510, 0.1098, 0.2314
CMYK	0.00, 0.06, 0.19, 0.05
HSL	40°, 64%, 86%
HSV	40°, 19%, 95%
XYZ	74.0508, 77.8009, 63.3387
YIQ	227.9510, 18.8910, -6.4610

# Conversions

## Conversions Part 2

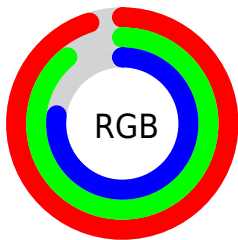
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 242, 196
Decimal	15918020
CIE Lab	90.69, 0.21, 16.99
CIE LCh	91, 16.993, 89.278
Yxy	77.8009, 0.3441, 0.3615
Android (android.graphics.Color)	4294108100 (0xFFFF2E3C4)
YUV	227.9510, -15.7518, 12.3210
Hunter-Lab	88.2048, -4.5019, 19.1680

# Details

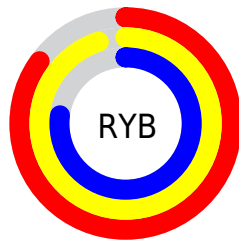
The XYZ color **74.0508, 77.8009, 63.3387** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.0859, 64.7336, 93.2274**, and the grayscale version is **73.8106, 77.6545, 84.5657**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **39.8847, 41.8971, 31.5760** is the 20% darker color. If you saturate the color by 10%, you get **69.4076, 72.5725, 49.2797**, and if you desaturate by 10%, it is **79.2414, 83.4117, 79.7740**.

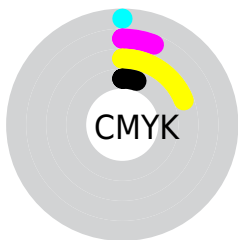
# Distribution



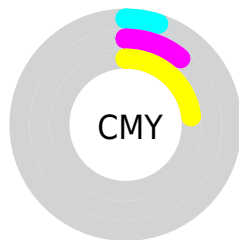
- Red (95%)
- Green (89%)
- Blue (77%)



- Red (85%)
- Yellow (95%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (19%)
- Black (5%)



- Cyan (5%)
- Magenta (11%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0508, 77.8009, 63.3387 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 74.0508, 77.8009, 63.3387 by changing the saturation by 10% instead.



74.0508, 77.8009,  
63.3387

74.0508, 77.8009,  
63.3387

463.6963,  
487.4904, 454.9394

55.1270, 57.9104,  
45.6725

123.9629,  
130.2694, 111.2483

39.7377, 41.7367,  
31.6407

155.6820,  
163.6163, 142.3288

27.5174, 28.8951,  
20.8246

192.3969,  
202.2174, 178.7178

18.1008, 19.0015,  
12.8059

234.4730,  
246.4571, 220.8338

11.1225, 11.6714,  
7.1659

282.2756,  
296.7199, 269.0955

6.2172, 6.5203,  
3.4860

336.1702,

3.0195, 3.1640,

353.3901, 323.9213

1.3478

396.5219,  
416.8521, 385.7297

■ 1.1641, 1.2179,  
0.1005

■ 0.0777, 0.0763,  
0.0000

■ 74.0508, 77.8009,  
63.3387

■ 74.0508, 77.8009,  
63.3387

■ 69.4076, 72.5725,  
49.2797

■ 79.2414, 83.4117,  
79.7740

■ 65.2830, 67.7050,  
37.4795

■ 84.9942, 89.4050,  
98.6855

■ 61.6548, 63.1901,  
27.8183

■ 89.0630, 94.8870,  
108.2286

■ 58.4963, 59.0147,  
20.1629

■ 90.4282, 97.6173,  
108.6837

■ 55.7781, 55.1651,  
14.3650

■ 53.4668, 51.6255,  
10.2558

■ 51.5230, 48.3779,  
7.6352

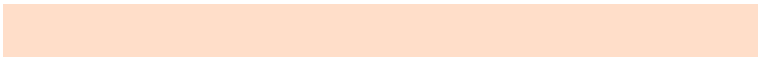
■ 49.8882, 45.3964,  
6.2019

■ 49.7355, 45.1121,  
6.0862

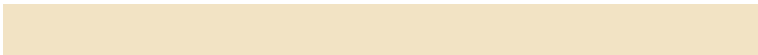
# Harmonies

## Analogous

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



78.2148, 77.8009, 66.0904



74.0508, 77.8009, 63.3387



70.0105, 77.8009, 65.8399

# Triad

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



74.0508, 77.8009, 63.3387



67.0251, 77.8009, 96.7196



81.2206, 77.8009, 97.2806

# Complementary

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



74.0508, 77.8009, 63.3387



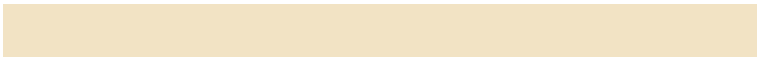
62.0859, 64.7336, 93.2274

# Split Complementary

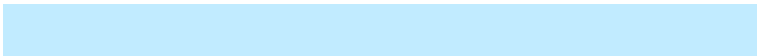
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0292, 77.8009, 106.8842



74.0508, 77.8009, 63.3387



69.8381, 77.8009, 106.5390

# Square

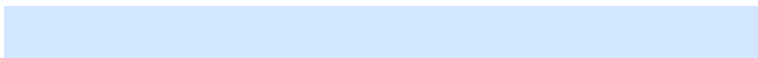
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0508, 77.8009, 63.3387



66.0498, 77.8009, 84.4164



73.8441, 77.8009, 110.4220



82.4508, 77.8009, 85.0082



# Rectangle

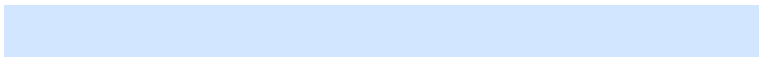
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0508, 77.8009, 63.3387



67.9071, 77.8009, 70.3004



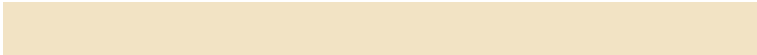
73.8441, 77.8009, 110.4220



80.3357, 77.8009, 100.9696

# Sweetspot

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



74.0529, 77.8044, 63.3403



91.1131, 95.9125, 95.9154



68.1584, 63.0780, 70.4312



19.4133, 20.4360, 20.2406



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.



74.0529, 77.8044, 63.3403



81.2050, 85.1841, 64.5959



75.7578, 85.0392, 64.6470



16.6634, 17.5399, 16.6570



26.8479, 24.4938, 3.3127



2.3236, 2.2179, 0.3056



# Inverse Universe

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



62.0859, 64.7336, 93.2274



65.3261, 67.8427, 104.2596



60.5784, 58.6820, 92.1388



15.3180, 16.0702, 20.0161



10.2178, 6.6599, 45.8748

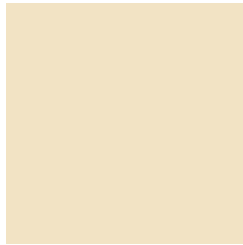


0.9373, 0.7285, 3.8454



# Previews

## White Background



This preview shows how the XYZ color 74.0508, 77.8009, 63.3387 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 74.0508, 77.8009, 63.3387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

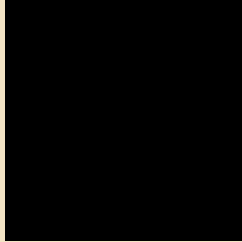
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.0508, 77.8009, 63.3387**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.0508, 77.8009, 63.3387.



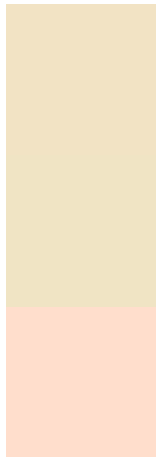
This preview shows how white text looks on a background with the XYZ color 74.0508, 77.8009,



# 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

74.0508, 77.8009, 63.3387

### Protanopia

73.6424, 77.9976, 63.3982

### Deuteranopia

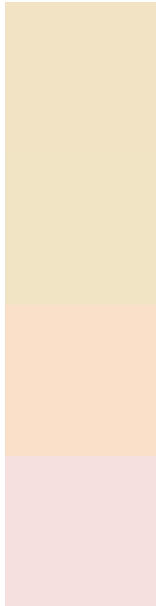
78.2604, 77.8622, 68.0309



## Tritanopia

79.6468, 77.6601, 91.6810

# Trichromacy



## Original Color

74.0508, 77.8009, 63.3387

## Protanomaly

73.9828, 78.1731, 63.4142

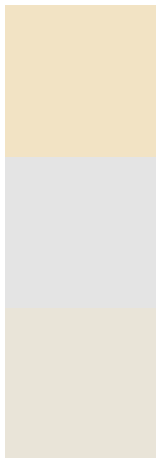
## Deuteranomaly

76.6226, 77.8523, 66.2469

## Tritanomaly

77.3631, 77.5155, 80.6966

# Monochromacy



## Original Color

74.0508, 77.8009, 63.3387

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.7423, 77.7683, 76.0899

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0508, 77.8009, 63.3387 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(242, 227, 196)` looks like.

```
.text, #text, p{  
    color:rgb(242, 227, 196)  
}
```

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(242, 227, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0508, 77.8009, 63.3387 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(242, 227, 196) }
```



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

```
.border{ border-color:rgb(242, 227, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 227, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 227, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 227, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 227,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0508, 77.8009, 63.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 196) }
```

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

```
.background{ background-color: rgb(242,  
227, 196) }
```

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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