

# Converting Colors

XYZ(73.5954, 77.9737, 74.1145)

Have a look what the booklet for  
XYZ(73.5954, 77.9737, 74.1145)  
contains.

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# Color

**XYZ(73.6338, 78.1664,  
74.1575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E5D5
RGB	233, 229, 213
RGB Percent	91%, 90%, 84%
CMY	0.0863, 0.1019, 0.1647
CMYK	0.00, 0.02, 0.09, 0.09
HSL	48°, 31%, 87%
HSV	48°, 9%, 91%
XYZ	73.6338, 78.1664, 74.1575
YIQ	228.3720, 7.5200, -4.1280

# Conversions

## Conversions Part 2

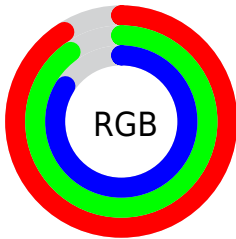
Format	Color
R <sub>Y</sub> B	218, 233, 213
Decimal	15328725
CIE Lab	90.86, -1.37, 8.27
CIE LCh	91, 8.381, 99.408
Yxy	78.1664, 0.3259, 0.3459
Android (android.graphics.Color)	4293518805 (0xFFE9E5D5)
YUV	228.3720, -7.5784, 4.0588
Hunter-Lab	88.4118, -6.0567, 12.1573

# Details

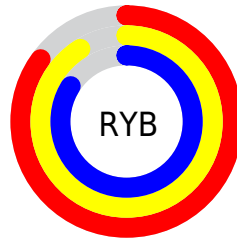
The XYZ color **73.6338, 78.1664, 74.1575** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9612, 69.6537, 87.0067**, and the grayscale version is **74.0669, 77.9242, 84.8594**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4391, 42.0878, 38.3929** is the 20% darker color. If you saturate the color by 10%, you get **69.6164, 74.5288, 59.2607**, and if you desaturate by 10%, it is **78.1150, 82.0499, 91.3071**.

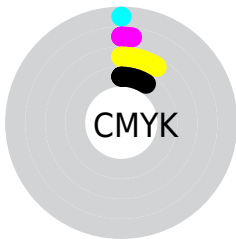
# Distribution



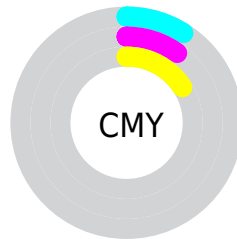
- Red (91%)
- Green (90%)
- Blue (84%)



- Red (85%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6338, 78.1664, 74.1575 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 73.6338, 78.1664, 74.1575 by changing the saturation by 10% instead.



73.6338, 78.1664,  
74.1575

73.6338, 78.1664,  
74.1575

462.2784,  
488.7318, 494.1947

54.7846, 58.2107,  
54.4254

123.3748,  
130.7847, 126.8552

39.4624, 41.9780,  
38.5464

154.9974,  
164.2160, 160.6578

27.3020, 29.0841,  
26.1019

191.6084,  
202.9080, 199.9877

17.9379, 19.1445,  
16.6734

233.5733,  
247.2451, 245.2633

11.0049, 11.7747,  
9.8424

281.2574,  
297.6116, 296.9033

6.1374, 6.5905,  
5.1904

335.0260,

2.9703, 3.2073,

354.3919, 355.3262

2.2987

395.2446,  
417.9705, 420.9505

■ 1.1381, 1.2409,  
0.7305

■ 0.0566, 0.0947,  
0.0000

■ 73.6338, 78.1664,  
74.1575

■ 73.6338, 78.1664,  
74.1575

■ 69.6164, 74.5288,  
59.2607

■ 78.1150, 82.0499,  
91.3071

■ 66.0381, 71.1191,  
46.5166

■ 82.3208, 85.8763,  
106.8448

■ 62.8814, 67.9325,  
35.8250

■ 83.6960, 88.6266,  
107.3031

■ 60.1252, 64.9600,  
27.0758

■ 85.1064, 91.4475,  
107.7733

■ 57.7462, 62.1919,  
20.1484

■ 86.5524, 94.3395,  
108.2553

■ 55.7189, 59.6176,  
14.9090

■ 87.4146, 96.0638,  
108.5427

■ 54.0140, 57.2248,  
11.2051

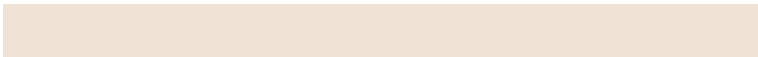
■ 52.5970, 54.9994,  
8.8567

■ 51.4175, 52.9207,  
7.5995

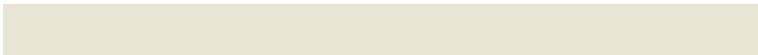
# Harmonies

## Analogous

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



75.7304, 78.1664, 74.6932



73.6338, 78.1664, 74.1575



71.7497, 78.1664, 76.4473

# Triad

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



73.6338, 78.1664, 74.1575



71.2051, 78.1664, 92.6988



78.1564, 78.1664, 89.2608

# Complementary

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



73.6338, 78.1664, 74.1575



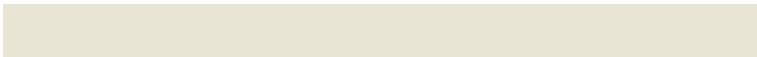
66.9612, 69.6537, 87.0067

# 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.



76.8994, 78.1664, 94.4035



73.6338, 78.1664, 74.1575



72.8775, 78.1664, 96.4527

# Square

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



73.6338, 78.1664, 74.1575



70.3651, 78.1664, 87.0228



74.9598, 78.1664, 97.0909



78.3682, 78.1664, 83.2253

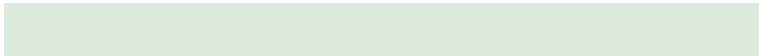


# Rectangle

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



73.6338, 78.1664, 74.1575



70.8580, 78.1664, 79.3345



74.9598, 78.1664, 97.0909



77.8410, 78.1664, 91.1590

# Sweetspot

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



73.6359, 78.1698, 74.1592



93.3570, 98.5459, 102.3799



69.9238, 69.9230, 75.4578



19.8873, 21.0107, 21.5499



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.



73.6359, 78.1698, 74.1592



89.6092, 95.2580, 88.1590



72.8285, 79.4136, 74.4418



16.0815, 17.0860, 15.9691



29.1753, 30.0449, 4.2615



2.3558, 2.4889, 0.3562



# Inverse Universe

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



66.9612, 69.6537, 87.0067



80.1151, 83.1448, 106.4338



67.7166, 68.5329, 86.7506



14.4749, 15.0361, 19.0616



8.9816, 4.6101, 44.1594

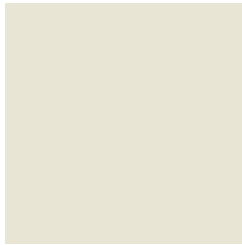


0.7716, 0.4946, 3.4897



# Previews

## White Background



This preview shows how the XYZ color 73.6338, 78.1664, 74.1575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

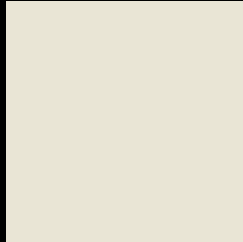
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6338, 78.1664, 74.1575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

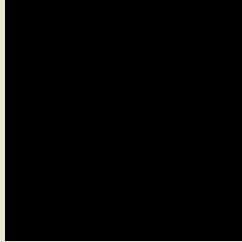
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

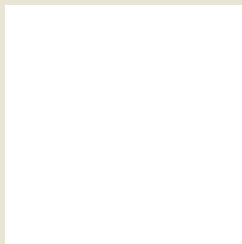
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.6338, 78.1664, 74.1575

## Background



This preview shows how black text looks on a background with the XYZ color 73.6338, 78.1664, 74.1575.



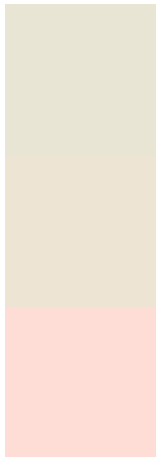
This preview shows how white text looks on a background with the XYZ color 73.6338, 78.1664,



# 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

73.6338, 78.1664, 74.1575

### Protanopia

74.5521, 78.2448, 73.4608

### Deuteranopia

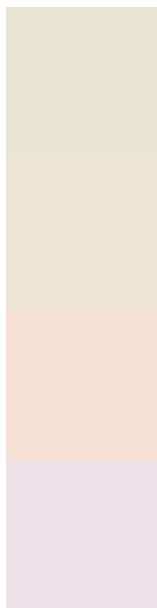
79.3622, 77.8792, 75.1393



## **Tritanopia**

77.8773, 78.2658, 95.0066

# Trichromacy



## Original Color

73.6338, 78.1664, 74.1575

## Protanomaly

74.2191, 78.0731, 73.4452

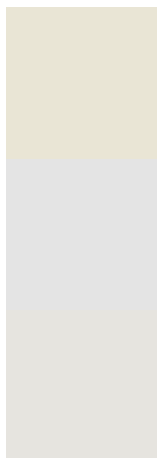
## Deuteranomaly

77.1510, 77.9405, 74.5961

## Tritanomaly

76.2122, 77.9951, 86.6390

# Monochromacy



## Original Color

73.6338, 78.1664, 74.1575

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.6958, 77.6375, 80.9134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6338, 78.1664, 74.1575 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(233, 229, 213) looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 213)  
}
```

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(233, 229, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6338, 78.1664, 74.1575 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(233, 229, 213) }
```



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

```
.border{ border-color:rgb(233, 229, 213) }
```

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

Here you see how a box with a 4 pixel rgb(233, 229, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 213);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6338, 78.1664, 74.1575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 213) }
```

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

```
.background{ background-color: rgb(233,  
229, 213) }
```

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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