

# Converting Colors

XYZ(78.9164, 84.0672, 84.3430)

Have a look what the booklet for  
XYZ(78.9164, 84.0672, 84.3430)  
contains.

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# **Color**

**XYZ(78.9367, 84.0639,  
84.0170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEDE2
RGB	237, 237, 226
RGB Percent	93%, 93%, 89%
CMY	0.0706, 0.0706, 0.1137
CMYK	0.00, 0.00, 0.05, 0.07
HSL	60°, 23%, 91%
HSV	60°, 5%, 93%
XYZ	78.9367, 84.0639, 84.0170
YIQ	235.7460, 3.5310, -3.4210

# Conversions

## Conversions Part 2

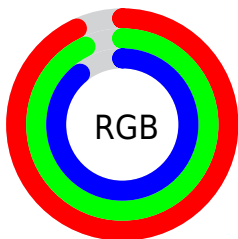
Format	Color
R <sub>Y</sub> B	226, 237, 226
Decimal	15592930
CIE Lab	93.48, -1.90, 5.31
CIE LCh	93, 5.644, 109.719
Yxy	84.0639, 0.3196, 0.3403
Android (android.graphics.Color)	4293783010 (0xFFEDED2)
YUV	235.7460, -4.8048, 1.0998
Hunter-Lab	91.6864, -6.7729, 9.8499

# Details

The XYZ color **78.9367, 84.0639, 84.0170** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.8497, 76.6781, 91.0333**, and the grayscale version is **79.5703, 83.7141, 91.1647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9306, 45.8118, 45.1079** is the 20% darker color. If you saturate the color by 10%, you get **75.9045, 82.8533, 68.0559**, and if you desaturate by 10%, it is **82.4232, 85.4616, 102.3494**.

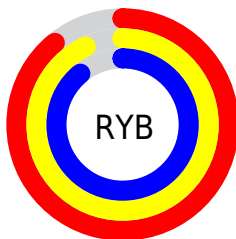
# Distribution



Red (93%)

Green (93%)

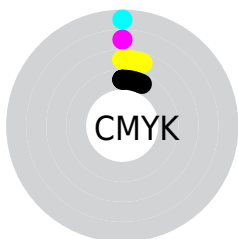
Blue (89%)



Red (89%)

Yellow (93%)

Blue (89%)

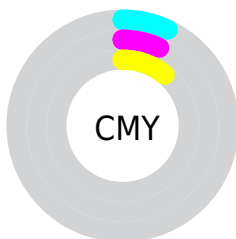


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9367, 84.0639, 84.0170 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 78.9367, 84.0639, 84.0170 by changing the saturation by 10% instead.



■ 78.9367, 84.0639,  
84.0170

■ 78.9367, 84.0639,  
84.0170

480.1335,  
508.5254, 528.4292

■ 59.1492, 63.0682,  
62.4840

130.8281,  
139.0646, 140.8609

■ 42.9801, 45.8964,  
44.9856

163.6628,  
173.8383, 177.0089

■ 30.0639, 32.1641,  
31.1032

201.5772,  
213.9735, 218.8656

■ 20.0354, 21.4868,  
20.4183

244.9368,  
259.8546, 266.8496

■ 12.5292, 13.4803,  
12.5124

294.1069,  
311.8659, 321.3794

■ 7.1799, 7.7601,  
6.9669

349.4527,

■ 3.6222, 3.9418,

370.3919, 382.8736

3.3633

411.3398,  
435.8169, 451.7507

■ 1.4907, 1.6411,  
1.2830

■ 0.3195, 0.3851,  
0.0478

■ 78.9367, 84.0639,  
84.0170

■ 78.9367, 84.0639,  
84.0170

■ 75.9045, 82.8533,  
68.0559

■ 82.4232, 85.4616,  
102.3494

■ 73.3012, 81.8117,  
54.3641

■ 83.2678, 85.7998,  
106.7801

■ 71.1097, 80.9347,  
42.8404

■ 83.2710, 85.8015,  
106.7802

■ 69.3087, 80.2139,  
33.3735

■ 83.2743, 85.8031,  
106.7804

67.8754, 79.6402,  
25.8426

83.2775, 85.8048,  
106.7805

66.7843, 79.2034,  
20.1140

83.2807, 85.8065,  
106.7807

66.0069, 78.8921,  
16.0373

83.2839, 85.8081,  
106.7808

65.5101, 78.6930,  
13.4376

83.2872, 85.8098,  
106.7810

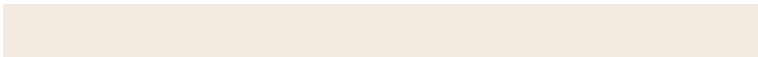
65.2530, 78.5898,  
12.1007

83.2904, 85.8114,  
106.7811

# Harmonies

## Analogous

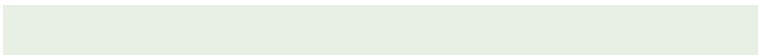
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4130, 84.0639, 83.6871



78.9367, 84.0639, 84.0170



77.7328, 84.0639, 86.3243

# Triad

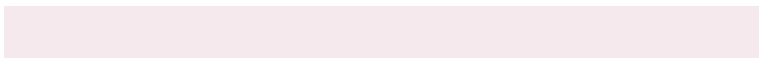
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9367, 84.0639, 84.0170



78.0608, 84.0639, 97.9396



82.7547, 84.0639, 93.0046

# Complementary

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



78.9367, 84.0639, 84.0170



73.8497, 76.6781, 91.0333

# Split Complementary

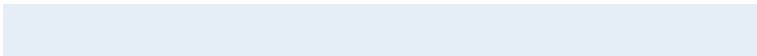
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1076, 84.0639, 96.9435



78.9367, 84.0639, 84.0170



79.3896, 84.0639, 99.8509

# Square

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



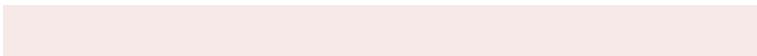
78.9367, 84.0639, 84.0170



77.2315, 84.0639, 94.3299



80.8715, 84.0639, 99.4808



82.6298, 84.0639, 88.7886

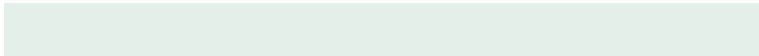


# Rectangle

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



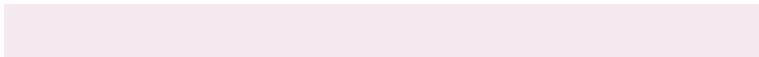
78.9367, 84.0639, 84.0170



77.2409, 84.0639, 88.7144



80.8715, 84.0639, 99.4808



82.6199, 84.0639, 94.4071

# Sweetspot

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



78.9390, 84.0675, 84.0188



94.6417, 99.8366, 106.7520



75.8515, 77.8902, 82.9892



20.2615, 21.3709, 22.8720



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.



78.9390, 84.0675, 84.0188



92.6813, 99.0523, 96.4388



77.1314, 83.1357, 83.9342



16.5375, 17.7011, 17.0382



35.5845, 42.8890, 6.4029



2.7944, 3.3679, 0.5028



# Inverse Universe

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



73.8497, 76.6781, 91.0333



84.9574, 87.8376, 107.0844



75.6015, 77.5812, 91.1152



15.0247, 15.5048, 19.1231



8.3465, 3.3387, 43.9475

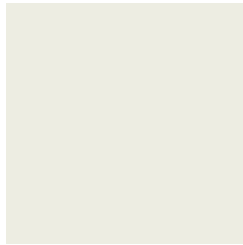


0.6556, 0.2623, 3.4509



# Previews

## White Background



This preview shows how the XYZ color 78.9367, 84.0639, 84.0170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

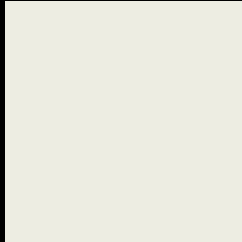
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9367, 84.0639, 84.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

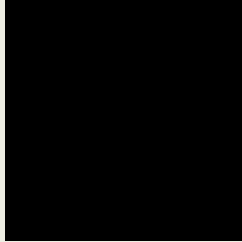
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

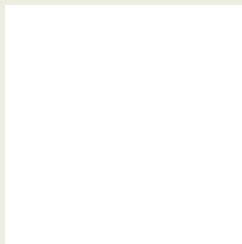
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.9367, 84.0639, 84.0170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9367, 84.0639, 84.0170.



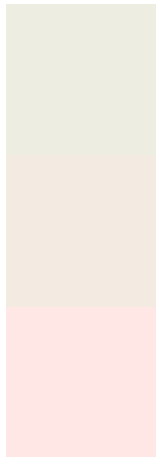
This preview shows how white text looks on a background with the XYZ color 78.9367, 84.0639,

84.0170.

# 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

78.9367, 84.0639, 84.0170

### Protanopia

80.2611, 83.9076, 83.1997

### Deuteranopia

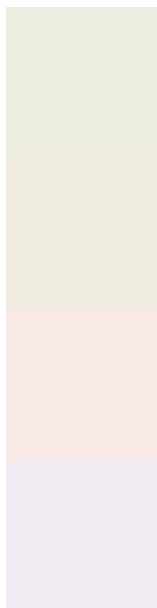
84.0988, 84.1250, 86.6682



## Tritanopia

82.9852, 84.0069, 103.9366

# Trichromacy



## Original Color

78.9367, 84.0639, 84.0170

## Protanomaly

79.8617, 84.1279, 83.2633

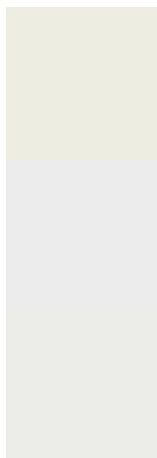
## Deuteranomaly

81.9932, 83.8914, 85.9999

## Tritanomaly

81.5357, 83.8420, 96.6797

# Monochromacy



## Original Color

78.9367, 84.0639, 84.0170

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.1530, 83.6500, 88.3182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9367, 84.0639, 84.0170 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(237, 237, 226) looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 226)  
}
```

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(237, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9367, 84.0639, 84.0170 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(237, 237, 226) }
```



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

```
.border{ border-color:rgb(237, 237, 226) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9367, 84.0639, 84.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 226) }
```

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

```
.background{ background-color: rgb(237,  
237, 226) }
```

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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