

# Converting Colors

XYZ(77.4625, 79.3885, 84.4323)

Have a look what the booklet for  
XYZ(77.4625, 79.3885, 84.4323)  
contains.

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# Color

**XYZ(77.6822, 79.6135,  
84.6714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E4E4
RGB	240, 228, 228
RGB Percent	94%, 89%, 89%
CMY	0.0588, 0.1059, 0.1059
CMYK	0.00, 0.05, 0.05, 0.06
HSL	0°, 29%, 92%
HSV	0°, 5%, 94%
XYZ	77.6822, 79.6135, 84.6714
YIQ	231.5880, 7.1520, 2.5440

# Conversions

## Conversions Part 2

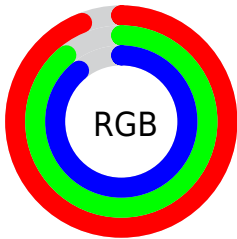
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 228, 228
Decimal	15787236
CIE Lab	91.51, 4.07, 1.45
CIE LCh	92, 4.321, 19.565
Yxy	79.6135, 0.3210, 0.3290
Android (android.graphics.Color)	4293977316 (0xFFFF0E4E4)
YUV	231.5880, -1.7689, 7.3773
Hunter-Lab	89.2264, -0.7407, 6.1952

# Details

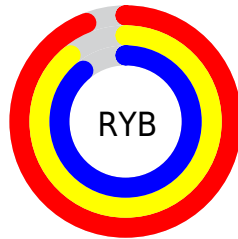
The XYZ color **77.6822, 79.6135, 84.6714** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8831, 85.1042, 94.7084**, and the grayscale version is **76.4048, 80.3838, 87.5380**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2536, 43.0946, 45.6263** is the 20% darker color. If you saturate the color by 10%, you get **68.4311, 66.0775, 66.2752**, and if you desaturate by 10%, it is **88.3163, 95.1732, 105.8124**.

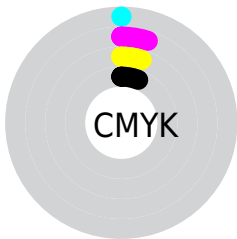
# Distribution



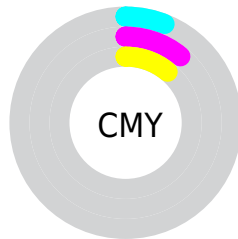
- Red (94%)
- Green (89%)
- Blue (89%)



- Red (94%)
- Yellow (89%)
- Blue (89%)



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



- Cyan (6%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6822, 79.6135, 84.6714 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 77.6822, 79.6135, 84.6714 by changing the saturation by 10% instead.



77.6822, 79.6135,  
84.6714

77.6822, 79.6135,  
84.6714

475.9432,  
493.6293, 530.6563

58.1148, 59.4004,  
63.0213

129.0698,  
132.8222, 141.7841

42.1446, 42.9355,  
45.4173

161.6207,  
166.5865, 178.0837

29.4061, 29.8345,  
31.4409

199.2301,  
205.6367, 220.1037

19.5341, 19.7130,  
20.6736

242.2635,  
250.3572, 268.2624

12.1631, 12.1866,  
12.6967

291.0861,  
301.1323, 322.9785

6.9279, 6.8709,  
7.0918

346.0634,

3.4630, 3.3815,

358.3464, 384.6705

3.4402

407.5606,  
422.3840, 453.7569

■ 1.4030, 1.3340,  
1.3236

■ 0.2584, 0.1673,  
0.0810

■ 77.6822, 79.6135,  
84.6714

■ 77.6822, 79.6135,  
84.6714

■ 68.4311, 66.0775,  
66.2752

■ 88.3163, 95.1732,  
105.8124

■ 60.4997, 54.4722,  
50.5062

■ 89.7457, 97.2655,  
108.6518

■ 53.8300, 44.7128,  
37.2463

■ 48.3570, 36.7043,  
26.3661

■ 44.0099, 30.3431,  
17.7248

■ 40.7105, 25.5147,  
11.1668

■ 38.3704, 22.0900,  
6.5165

■ 36.8871, 19.9189,  
3.5697

■ 36.1345, 18.8169,  
2.0754

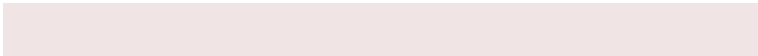
# Harmonies

## Analogous

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



77.7710, 79.6135, 87.7881



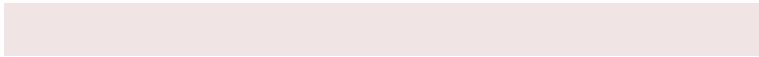
77.6822, 79.6135, 84.6714



77.0513, 79.6135, 82.1531

# Triad

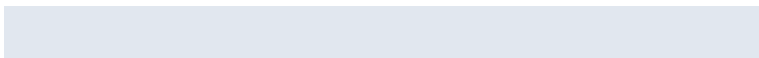
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6822, 79.6135, 84.6714



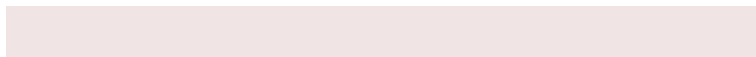
74.0706, 79.6135, 82.8132



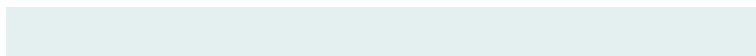
75.2875, 79.6135, 92.7848

# Complementary

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



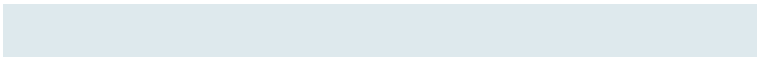
77.6822, 79.6135, 84.6714



78.8831, 85.1042, 94.7084

# 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.



74.3057, 79.6135, 91.3818



77.6822, 79.6135, 84.6714



73.6077, 79.6135, 85.5923

# Square

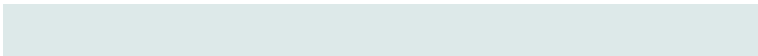
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6822, 79.6135, 84.6714



74.9636, 79.6135, 81.0983



73.6933, 79.6135, 88.7314



76.3813, 79.6135, 92.5237

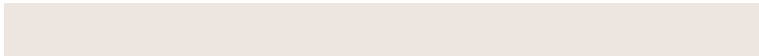


# Rectangle

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



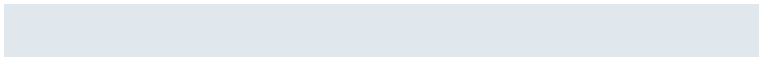
77.6822, 79.6135, 84.6714



76.4116, 79.6135, 81.1284



73.6933, 79.6135, 88.7314



74.9337, 79.6135, 92.4909

# Sweetspot

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



77.6844, 79.6170, 84.6731



93.8343, 98.2212, 106.4828



79.4079, 80.3045, 93.7543



20.0972, 21.0421, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

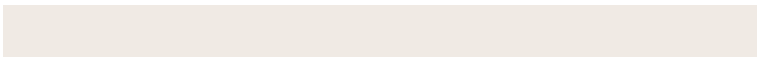
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6844, 79.6170, 84.6731



87.9970, 89.6802, 94.8767



79.3627, 82.9735, 85.2325



16.3547, 16.6105, 17.5164



19.6722, 10.1424, 0.9208

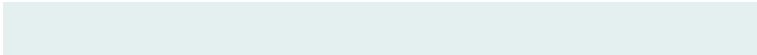


1.6367, 0.8441, 0.0767



# Inverse Universe

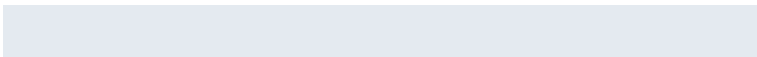
The Inverse Universe completely reimagines the original color for something new.



78.8831, 85.1042, 94.7084



89.6417, 97.2095, 108.6464



77.1470, 81.6321, 94.1297



16.6928, 18.1581, 20.3467



25.6543, 37.5329, 51.0203

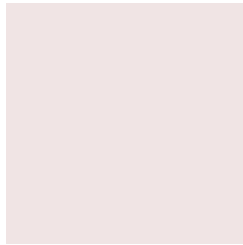


2.1343, 3.1227, 4.2445



# Previews

## White Background



This preview shows how the XYZ color 77.6822, 79.6135, 84.6714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

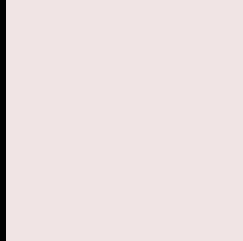
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6822, 79.6135, 84.6714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

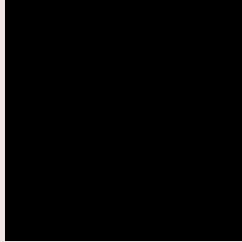
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

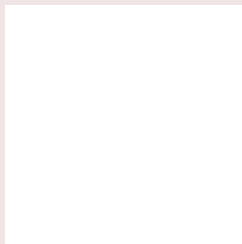
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.6822, 79.6135, 84.6714**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6822, 79.6135, 84.6714.



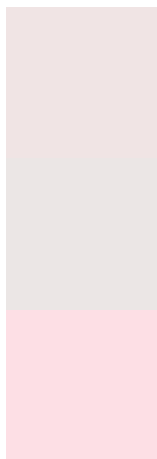
This preview shows how white text looks on a background with the XYZ color 77.6822, 79.6135,

84.6714.

# 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

77.6822, 79.6135, 84.6714

### Protanopia

76.7006, 79.9129, 85.5109

### Deuteranopia

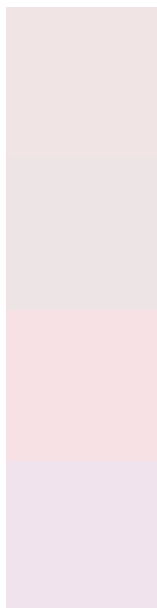
81.0385, 79.3151, 85.1669



## Tritanopia

79.9920, 79.7410, 95.9695

# Trichromacy



## Original Color

77.6822, 79.6135, 84.6714

## Protanomaly

77.0872, 79.7003, 85.4495

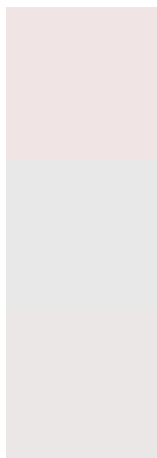
## Deuteranomaly

79.7795, 79.4640, 85.2620

## Tritanomaly

79.1773, 79.8120, 92.1211

# Monochromacy



## Original Color

77.6822, 79.6135, 84.6714

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.2607, 80.5835, 87.0834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6822, 79.6135, 84.6714 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(240, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 228)  
}
```

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(240, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6822, 79.6135, 84.6714 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(240, 228, 228) }
```



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

```
.border{ border-color:rgb(240, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 228, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 228, 228); box-shadow:4px 4px 4px 4px rgb(240, 228, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6822, 79.6135, 84.6714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 228) }
```

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

```
.background{ background-color: rgb(240,  
228, 228) }
```

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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