

# Converting Colors

XYZ(77.7300, 84.6673, 79.5442)

Have a look what the booklet for  
XYZ(77.7300, 84.6673, 79.5442)  
contains.

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# Color

**XYZ(77.8780, 84.9271,  
79.3058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF0DB
RGB	234, 240, 219
RGB Percent	92%, 94%, 86%
CMY	0.0823, 0.0588, 0.1412
CMYK	0.03, 0.00, 0.09, 0.06
HSL	77°, 41%, 90%
HSV	77°, 9%, 94%
XYZ	77.8780, 84.9271, 79.3058
YIQ	235.8120, 3.1650, -7.8030

# Conversions

## Conversions Part 2

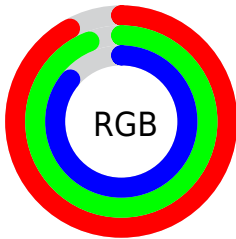
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 240, 225
Decimal	15397083
CIE Lab	93.85, -5.62, 9.45
CIE LCh	94, 10.999, 120.756
Yxy	84.9271, 0.3217, 0.3508
Android (android.graphics.Color)	4293587163 (0xFFEAF0DB)
YUV	235.8120, -8.2883, -1.5891
Hunter-Lab	92.1559, -10.4282, 13.4865

# Details

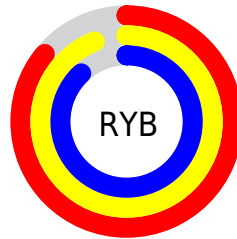
The XYZ color **77.8780, 84.9271, 79.3058** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1143, 72.9642, 92.7252**, and the grayscale version is **79.6467, 83.7946, 91.2523**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2014, 46.4263, 41.8589** is the 20% darker color. If you saturate the color by 10%, you get **72.7351, 82.6175, 63.7437**, and if you desaturate by 10%, it is **83.5685, 87.4713, 97.2750**.

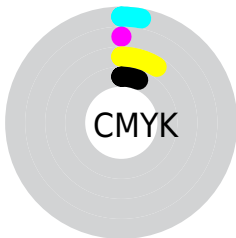
# Distribution



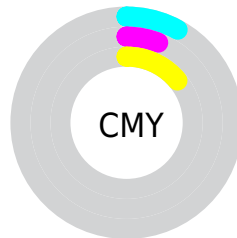
- Red (92%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8780, 84.9271, 79.3058 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 77.8780, 84.9271, 79.3058 by changing the saturation by 10% instead.



77.8780, 84.9271,  
79.3058

77.8780, 84.9271,  
79.3058

476.5986,  
511.3868, 512.2352

58.2762, 63.7811,  
58.6245

129.3444,  
140.2713, 134.1918

42.2749, 46.4734,  
41.8929

161.9397,  
175.2384, 169.2336

29.5086, 32.6196,  
28.6925

199.5969,  
215.5813, 209.8993

19.6121, 21.8352,  
18.6047

242.6813,  
261.6844, 256.6075

12.2200, 13.7358,  
11.2111

291.5584,  
313.9321, 309.7766

6.9670, 7.9372,  
6.0931

346.5933,

3.4876, 4.0548,

372.7088, 369.8252

2.8320

408.1516,  
438.3989, 437.1719

■ 1.4166, 1.7042,  
1.0095

■ 0.2680, 0.4264,  
0.0000

■ 77.8780, 84.9271,  
79.3058

■ 77.8780, 84.9271,  
79.3058

■ 72.7351, 82.6175,  
63.7437

■ 83.5685, 87.4713,  
97.2750

■ 68.1123, 80.5231,  
50.4810

■ 87.8252, 89.4495,  
107.2443

■ 63.9903, 78.6389,  
39.4100

■ 90.2991, 90.7249,  
107.3601

■ 60.3454, 76.9553,  
30.4121

■ 90.4518, 90.8036,  
107.3673

■ 57.1521, 75.4619,  
23.3575

■ 54.3820, 74.1473,  
18.1019

■ 52.0026, 72.9984,  
14.4810

■ 49.9761, 71.9998,  
12.3001

■ 48.2467, 71.1293,  
11.2725

# Harmonies

## Analogous

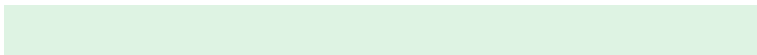
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6465, 84.9271, 77.2792



77.8780, 84.9271, 79.3058



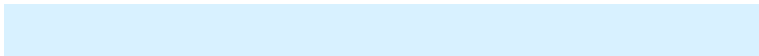
75.9111, 84.9271, 84.8217

# Triad

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



77.8780, 84.9271, 79.3058



78.0035, 84.9271, 107.2528



86.4772, 84.9271, 92.2589

# Complementary

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



77.8780, 84.9271, 79.3058



72.1143, 72.9642, 92.7252

# Split Complementary

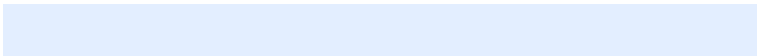
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7292, 84.9271, 100.5672



77.8780, 84.9271, 79.3058



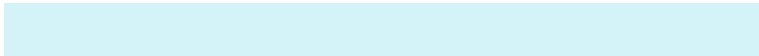
80.7949, 84.9271, 109.5340

# Square

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



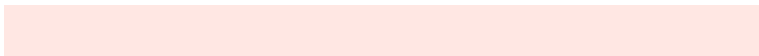
77.8780, 84.9271, 79.3058



75.9823, 84.9271, 100.9569



83.6317, 84.9271, 107.0185



85.6520, 84.9271, 84.4748



# Rectangle

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



77.8780, 84.9271, 79.3058



75.2947, 84.9271, 89.9071



83.6317, 84.9271, 107.0185



86.4013, 84.9271, 95.0835

# Sweetspot

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



77.8803, 84.9308, 79.3076



93.0426, 99.1046, 102.5044



75.6360, 77.4658, 77.9850



19.8022, 21.1621, 21.5836



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

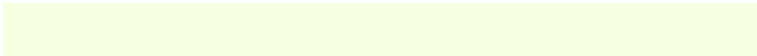


# Same Dimension

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



77.8803, 84.9308, 79.3076



87.9694, 96.8340, 86.6912



74.5502, 83.2140, 79.1518



16.6570, 18.2188, 16.7884



26.4353, 38.9494, 6.1247



2.2965, 3.2904, 0.5141



# Inverse Universe

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



72.1143, 72.9642, 92.7252



79.7560, 79.7877, 105.8047



75.4724, 74.6953, 92.8824



15.3216, 15.4475, 19.8957



10.0512, 4.1870, 45.4063

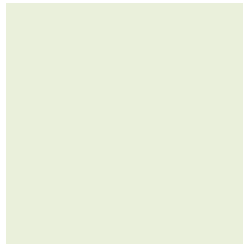


0.9306, 0.3970, 3.7818



# Previews

## White Background



This preview shows how the XYZ color 77.8780, 84.9271, 79.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

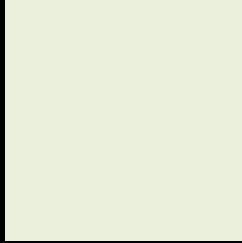
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.8780, 84.9271, 79.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

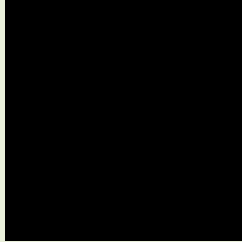
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

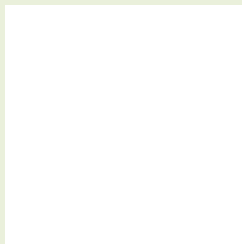
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.8780, 84.9271, 79.3058**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.8780, 84.9271, 79.3058.



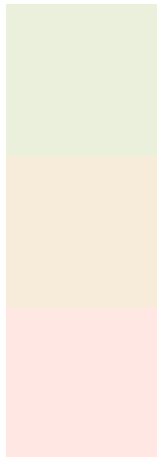
This preview shows how white text looks on a background with the XYZ color 77.8780, 84.9271,

79.3058.

# 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

77.8780, 84.9271, 79.3058

### Protanopia

80.5259, 84.5935, 77.7296

### Deuteranopia

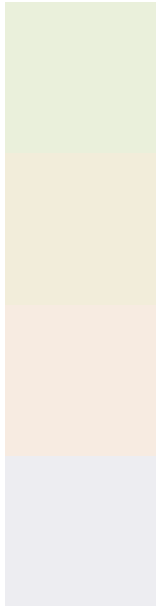
84.1002, 84.5747, 85.2908



## Tritanopia

83.0346, 84.8592, 104.9316

# Trichromacy



## Original Color

77.8780, 84.9271, 79.3058

## Protanomaly

79.5570, 84.5076, 78.4482

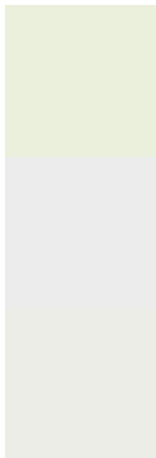
## Deuteranomaly

81.6567, 84.6271, 83.2650

## Tritanomaly

81.0864, 84.9238, 95.3373

# Monochromacy



## Original Color

77.8780, 84.9271, 79.3058

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.8281, 83.9437, 86.9110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.8780, 84.9271, 79.3058 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(234, 240, 219) looks like.

```
.text, #text, p{  
    color:rgb(234, 240, 219)  
}
```

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(234, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 77.8780, 84.9271, 79.3058 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(234, 240, 219) }
```



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

```
.border{ border-color:rgb(234, 240, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 240, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.8780, 84.9271, 79.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 219) }
```

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

```
.background{ background-color: rgb(234,  
240, 219) }
```

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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