

Converting Colors

XYZ(77.4818, 84.3646, 79.6661)

Have a look what the booklet for
XYZ(77.4818, 84.3646, 79.6661)
contains.

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Color

**XYZ(77.3890, 84.2239,
79.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EFDC
RGB	233, 239, 220
RGB Percent	91%, 94%, 86%
CMY	0.0863, 0.0627, 0.1372
CMYK	0.03, 0.00, 0.08, 0.06
HSL	79°, 37%, 90%
HSV	79°, 8%, 94%
XYZ	77.3890, 84.2239, 79.8882
YIQ	235.0400, 2.5230, -7.1810

Conversions

Conversions Part 2

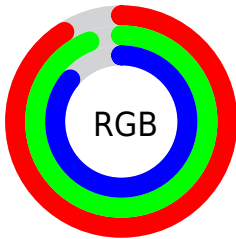
Format	Color
R_{YB}	220, 239, 226
Decimal	15331292
CIE Lab	93.55, -5.30, 8.49
CIE LCh	94, 10.005, 121.958
Yxy	84.2239, 0.3204, 0.3488
Android (android.graphics.Color)	4293521372 (0xFFE9EFDC)
YUV	235.0400, -7.4147, -1.7891
Hunter-Lab	91.7736, -10.0818, 12.6300

Details

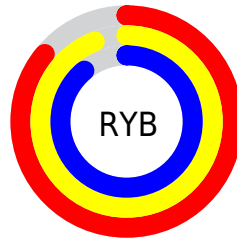
The XYZ color **77.3890, 84.2239, 79.8882** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.5405, 73.5895, 92.0466**, and the grayscale version is **79.0514, 83.1682, 90.5702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8565, 45.9307, 42.2567** is the 20% darker color. If you saturate the color by 10%, you get **72.0351, 81.8063, 64.2786**, and if you desaturate by 10%, it is **83.3056, 86.8842, 97.8900**.

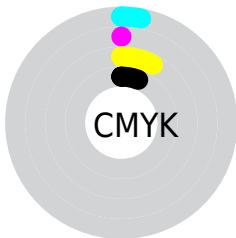
Distribution



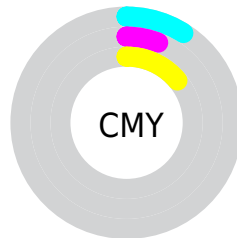
- Red (91%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3890, 84.2239, 79.8882 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 77.3890, 84.2239, 79.8882 by changing the saturation by 10% instead.

77.3890, 84.2239,
79.8882

77.3890, 84.2239,
79.8882

474.9609,
509.0565, 514.2528

57.8732, 63.2003,
59.1007

128.6584,
139.2883, 135.0185

41.9496, 46.0033,
42.2737

161.1427,
174.0980, 170.1984

29.2528, 32.2484,
28.9885

198.6806,
214.2717, 211.0129

19.4174, 21.5513,
18.8266

241.6374,
260.1940, 257.8805

12.0780, 13.5276,
11.3695

290.3785,
312.2493, 311.2198

6.8694, 7.7928,
6.1987

345.2692,

3.4262, 3.9627,

370.8218, 371.4492

2.8955

406.6749,
436.2961, 438.9874

■ 1.3829, 1.6527,
1.0415

■ 0.2440, 0.3927,
0.0000

■ 77.3890, 84.2239,
79.8882

■ 77.3890, 84.2239,
79.8882

■ 72.0351, 81.8063,
64.2786

■ 83.3056, 86.8842,
97.8900

■ 67.2167, 79.6122,
50.9549

■ 87.6666, 88.9319,
107.1528

■ 62.9142, 77.6364,
39.8111

■ 90.1582, 90.2163,
107.2694

■ 59.1042, 75.8693,
30.7307

■ 55.7610, 74.3005,
23.5861

■ 52.8565, 72.9186,
18.2359

■ 50.3586, 71.7106,
14.5192

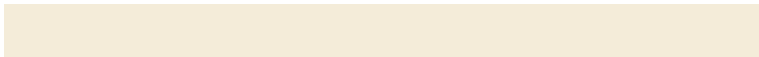
■ 48.2299, 70.6613,
12.2463

■ 46.4195, 69.7502,
11.1572

Harmonies

Analogous

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



79.8786, 84.2239, 77.8980



77.3890, 84.2239, 79.8882



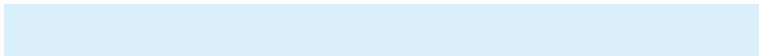
75.6445, 84.2239, 85.0234

Triad

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



77.3890, 84.2239, 79.8882



77.6838, 84.2239, 105.1788



85.2464, 84.2239, 91.2085

Complementary

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



77.3890, 84.2239, 79.8882



72.5405, 73.5895, 92.0466

Split Complementary

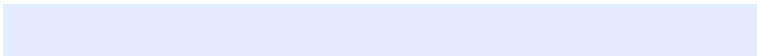
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6280, 84.2239, 98.7289



77.3890, 84.2239, 79.8882



80.2263, 84.2239, 107.0552

Square

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



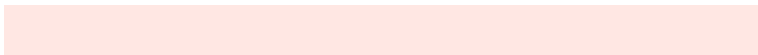
77.3890, 84.2239, 79.8882



75.8120, 84.2239, 99.6375



82.7760, 84.2239, 104.6342



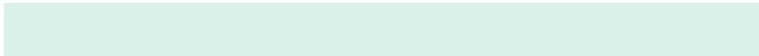
84.4478, 84.2239, 84.2061

Rectangle

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



77.3890, 84.2239, 79.8882



75.1187, 84.2239, 89.6817



82.7760, 84.2239, 104.6342



85.1973, 84.2239, 93.7595

Sweetspot

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



77.3913, 84.2275, 79.8900



93.6493, 99.3715, 104.6051



75.6327, 77.7504, 78.7325



20.0595, 21.2762, 22.4348



0.0000, 0.0000, 0.0000



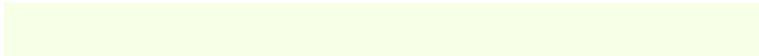
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3913, 84.2275, 79.8900



88.3104, 96.9689, 88.5577



74.4660, 82.7195, 79.7531



16.6089, 18.1941, 16.7861



25.6012, 38.5195, 6.0857



2.2322, 3.2573, 0.5111

Inverse Universe

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



72.5405, 73.5895, 92.0466



81.3192, 81.6363, 106.0791



75.5032, 75.1168, 92.1853



15.3673, 15.4710, 19.8979



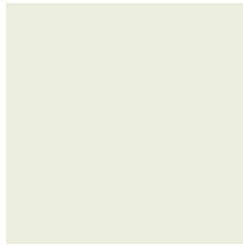
10.3554, 4.3438, 45.4205



0.9606, 0.4125, 3.7832

Previews

White Background



This preview shows how the XYZ color 77.3890, 84.2239, 79.8882 looks on a white background.

Color Contrast Check

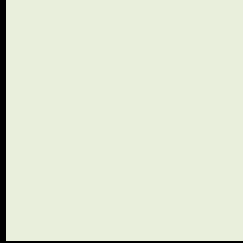
Large Text (above 18pt) WCAG AA × Fail

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 77.3890, 84.2239, 79.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

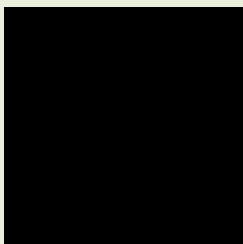
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

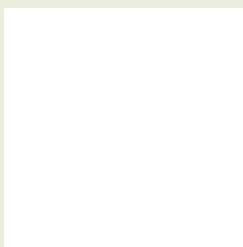
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3890, 84.2239, 79.8882

Background



This preview shows how black text looks on a background with the XYZ color 77.3890, 84.2239, 79.8882.



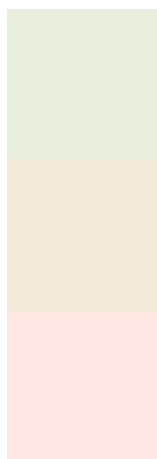
This preview shows how white text looks on a background with the XYZ color 77.3890, 84.2239,

79.8882.

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

77.3890, 84.2239, 79.8882

Protanopia

80.0194, 83.8911, 78.3048

Deuteranopia

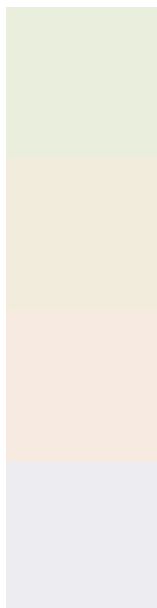
83.6810, 83.9579, 84.4681



Tritanopia

82.4123, 84.1146, 104.8207

Trichromacy



Original Color

77.3890, 84.2239, 79.8882

Protanomaly

79.0573, 83.8062, 79.0273

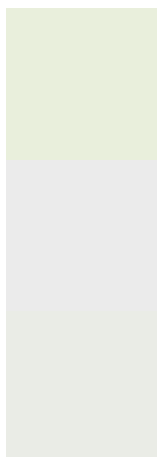
Deuteranomaly

81.2351, 84.0016, 82.4534

Tritanomaly

80.4647, 84.1746, 95.2255

Monochromacy



Original Color

77.3890, 84.2239, 79.8882

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2101, 83.1965, 86.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3890, 84.2239, 79.8882 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, 239, 220) looks like.

```
.text, #text, p{  
    color:rgb(233, 239, 220)  
}
```

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, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 239, 220) }
```

Border

The CSS property to change the border of an element to XYZ 77.3890, 84.2239, 79.8882 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, 239, 220) }
```


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

```
.border{ border-color:rgb(233, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(233, 239,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3890, 84.2239, 79.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 239, 220) }
```

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

```
.background{ background-color: rgb(233,  
239, 220) }
```

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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