

Converting Colors

XYZ(78.4885, 84.9204, 79.7649)

Have a look what the booklet for
XYZ(78.4885, 84.9204, 79.7649)
contains.

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Color

**XYZ(78.3768, 84.7332,
79.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEFDC
RGB	236, 239, 220
RGB Percent	93%, 94%, 86%
CMY	0.0745, 0.0627, 0.1372
CMYK	0.01, 0.00, 0.08, 0.06
HSL	69°, 37%, 90%
HSV	69°, 8%, 94%
XYZ	78.3768, 84.7332, 79.9344
YIQ	235.9370, 4.3110, -6.5450

Conversions

Conversions Part 2

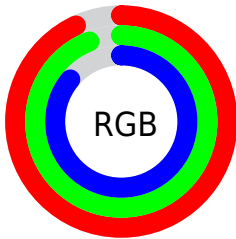
Format	Color
R _Y B	220, 239, 223
Decimal	15527900
CIE Lab	93.77, -4.27, 8.83
CIE LCh	94, 9.811, 115.784
Yxy	84.7332, 0.3225, 0.3486
Android (android.graphics.Color)	4293717980 (0xFFECEFD0)
YUV	235.9370, -7.8569, 0.0553
Hunter-Lab	92.0506, -9.1042, 12.9495

Details

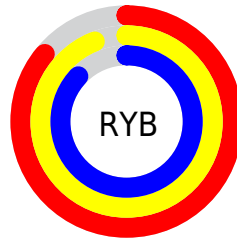
The XYZ color **78.3768, 84.7332, 79.9344** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.6080, 73.1087, 92.0032**, and the grayscale version is **79.7385, 83.8911, 91.3575**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5474, 46.2869, 42.2891** is the 20% darker color. If you saturate the color by 10%, you get **74.1943, 82.9195, 64.3796**, and if you desaturate by 10%, it is **83.0431, 86.7490, 97.8777**.

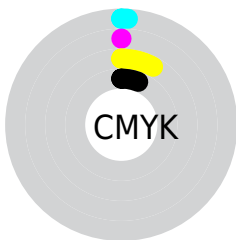
Distribution



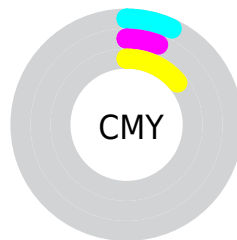
- Red (93%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3768, 84.7332, 79.9344 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 78.3768, 84.7332, 79.9344 by changing the saturation by 10% instead.

78.3768, 84.7332,
79.9344

78.3768, 84.7332,
79.9344

478.2658,
510.7448, 514.4127

58.6874, 63.6210,
59.1385

130.0437,
140.0004, 135.0841

42.6069, 46.3437,
42.3039

162.7520,
174.9241, 170.2749

29.7700, 32.5172,
29.0120

200.5305,
215.2204, 211.1012

19.8113, 21.7568,
18.8442

243.7448,
261.2737, 257.9814

12.3654, 13.6783,
11.3821

292.7601,
313.4684, 311.3342

7.0670, 7.8973,
6.2071

347.9418,

3.5508, 4.0293,

372.1889, 371.5779

2.9006

409.6552,
437.8196, 439.1312

■ 1.4513, 1.6900,
1.0441

■ 0.2923, 0.4171,
0.0000

■ 78.3768, 84.7332,
79.9344

■ 78.3768, 84.7332,
79.9344

■ 74.1943, 82.9195,
64.3796

■ 83.0431, 86.7490,
97.8777

■ 70.4695, 81.2892,
51.1071

■ 86.0737, 88.1108,
107.0783

■ 67.1839, 79.8376,
40.0109

■ 87.3954, 88.7922,
107.1401

■ 64.3153, 78.5558,
30.9745

■ 88.7442, 89.4875,
107.2032

■ 61.8393, 77.4341,
23.8706

■ 90.1202, 90.1968,
107.2676

■ 59.7289, 76.4616,
18.5576

■ 90.1582, 90.2164,
107.2694

■ 57.9535, 75.6260,
14.8746

■ 56.4767, 74.9128,
12.6323

■ 55.2492, 74.3022,
11.5704

Harmonies

Analogous

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



80.9052, 84.7332, 78.6781



78.3768, 84.7332, 79.9344



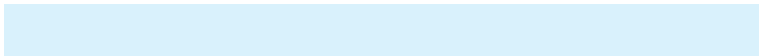
76.4643, 84.7332, 84.4250

Triad

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



78.3768, 84.7332, 79.9344



77.7520, 84.7332, 104.6404



85.6367, 84.7332, 93.3189

Complementary

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



78.3768, 84.7332, 79.9344



71.6080, 73.1087, 92.0032

Split Complementary

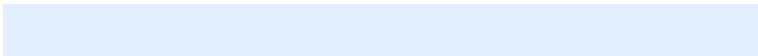
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7505, 84.7332, 100.5655



78.3768, 84.7332, 79.9344



80.1686, 84.7332, 107.3215

Square

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



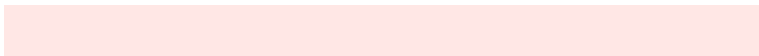
78.3768, 84.7332, 79.9344



76.1090, 84.7332, 98.6428



82.7352, 84.7332, 105.7918



85.1322, 84.7332, 86.1588

Rectangle

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



78.3768, 84.7332, 79.9344



75.7769, 84.7332, 88.7812



82.7352, 84.7332, 105.7918



85.4910, 84.7332, 95.8286

Sweetspot

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



78.3791, 84.7369, 79.9362



93.9436, 99.5232, 104.6188



74.8654, 76.2157, 78.4767



20.1194, 21.3071, 22.4376



0.0000, 0.0000, 0.0000



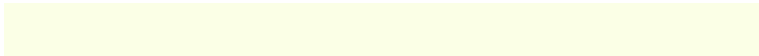
20.3446, 21.4041, 23.3091

Same Dimension

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



78.3791, 84.7369, 79.9362



89.7449, 97.7084, 88.6248



75.3560, 83.1784, 79.7948



16.8631, 18.3251, 16.7980



30.4926, 41.0411, 6.3146



2.6019, 3.4479, 0.5284

Inverse Universe

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



71.6080, 73.1087, 92.0032



79.9861, 80.9490, 106.0167



74.5684, 74.6349, 92.1417



15.1300, 15.3487, 19.8868



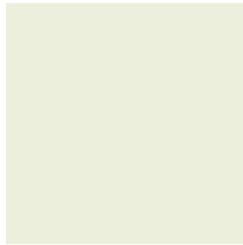
9.1174, 3.7056, 45.3626



0.8273, 0.3437, 3.7770

Previews

White Background



This preview shows how the XYZ color 78.3768, 84.7332, 79.9344 looks on a white background.

Color Contrast Check

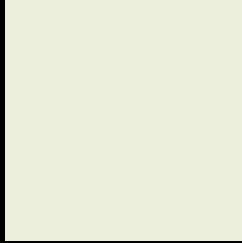
Large Text (above 18pt) WCAG AA × Fail

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 78.3768, 84.7332, 79.9344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

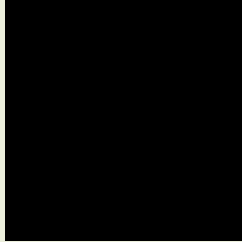
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

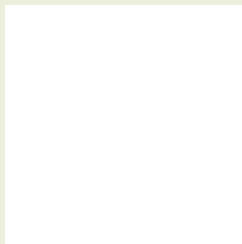
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3768, 84.7332, 79.9344

Background



This preview shows how black text looks on a background with the XYZ color 78.3768, 84.7332, 79.9344.



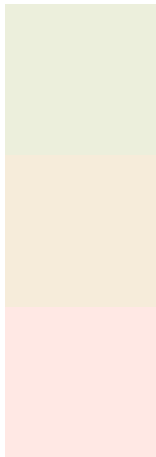
This preview shows how white text looks on a background with the XYZ color 78.3768, 84.7332,

79.9344.

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

78.3768, 84.7332, 79.9344

Protanopia

80.6564, 84.6457, 78.4169

Deuteranopia

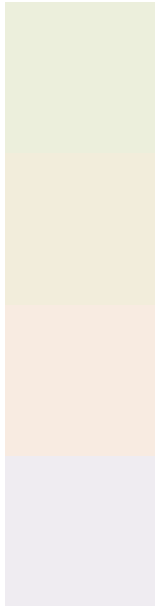
84.1002, 84.5747, 85.2908



Tritanopia

83.4281, 84.6383, 104.8682

Trichromacy



Original Color

78.3768, 84.7332, 79.9344

Protanomaly

79.6883, 84.5601, 79.1395

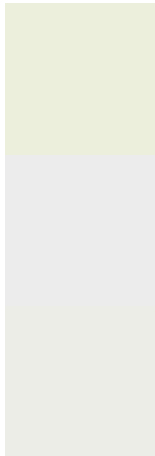
Deuteranomaly

82.0103, 84.8094, 83.2816

Tritanomaly

81.4692, 84.6925, 95.2725

Monochromacy



Original Color

78.3768, 84.7332, 79.9344

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.1592, 84.1144, 86.9265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3768, 84.7332, 79.9344 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(236, 239, 220) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 220) }
```

Border

The CSS property to change the border of an element to XYZ 78.3768, 84.7332, 79.9344 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(236, 239, 220) }
```


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

```
.border{ border-color:rgb(236, 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(236, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 239,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3768, 84.7332, 79.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 220) }
```

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

```
.background{ background-color: rgb(236,  
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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