

Converting Colors

XYZ(69.8253, 79.4026, 63.9022)

Have a look what the booklet for
XYZ(69.8253, 79.4026, 63.9022)
contains.

XYZ(69.7781, 79.3486, 63.8627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.7781, 79.3486,
63.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	DDECC4
RGB	221, 236, 196
RGB Percent	87%, 93%, 77%
CMY	0.1333, 0.0745, 0.2314
CMYK	0.06, 0.00, 0.17, 0.07
HSL	83°, 51%, 85%
HSV	83°, 17%, 93%
XYZ	69.7781, 79.3486, 63.8627
YIQ	226.9550, 3.9000, -15.6200

Conversions

Conversions Part 2

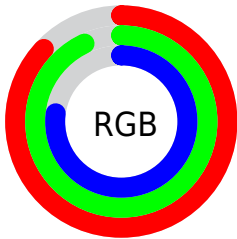
Format	Color
RYB	196, 236, 211
Decimal	14544068
CIELab	91.39, -11.84, 17.74
CIELCh	91, 21.331, 123.714
Yxy	79.3486, 0.3276, 0.3725
Android (android.graphics.Color)	4292734148 (0xFFDDECC4)
YUV	226.9550, -15.2608, -5.2225
Hunter-Lab	89.0778, -16.0603, 19.8476

Details

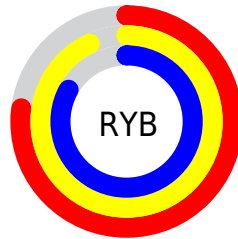
The XYZ color **69.7781, 79.3486, 63.8627** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.7474, 59.3871, 87.5696**, and the grayscale version is **73.0883, 76.8946, 83.7382**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **36.9296, 42.7025, 31.8872** is the 20% darker color. If you saturate the color by 10%, you get **64.6764, 77.0073, 50.6873**, and if you desaturate by 10%, it is **75.4488, 81.9391, 79.2737**.

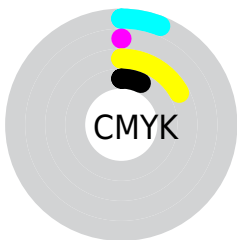
Distribution



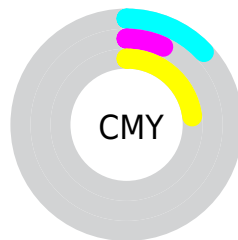
- Red (87%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (83%)



- Cyan (6%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7781, 79.3486, 63.8627 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 69.7781, 79.3486, 63.8627 by changing the saturation by 10% instead.

69.7781, 79.3486,
63.8627

69.7781, 79.3486,
63.8627

449.0491,
492.7349, 456.8875

51.6246, 59.1825,
46.0940

117.9203,
132.4495, 112.0107

36.9290, 42.7600,
31.9708

148.6396,
166.1531, 143.2272

25.3259, 29.6969,
21.0746

184.2783,
205.1379, 179.7633

16.4501, 19.6086,
12.9867

225.2017,
249.7884, 222.0375

9.9361, 12.1109,
7.2888

271.7751,
300.4889, 270.4686

5.4185, 6.8192,
3.5622

324.3639,

2.5321, 3.3493,

357.6239, 325.4749

1.3884

383.3334,
421.5778, 387.4750

■ 0.9115, 1.3167,
0.1326

■ 0.0000, 0.1541,
0.0000

■ 69.7781, 79.3486,
63.8627

■ 69.7781, 79.3486,
63.8627

■ 64.6764, 77.0073,
50.6873

■ 75.4488, 81.9391,
79.2737

■ 60.1155, 74.8959,
39.6384

■ 81.7026, 84.7769,
97.0123

■ 56.0740, 73.0082,
30.6058

■ 86.6017, 87.0898,
106.8533

■ 52.5264, 71.3337,
23.4669

■ 89.2871, 88.4741,
106.9790

■ 49.4446, 69.8609,
18.0861

■ 46.7971, 68.5768,
14.3095

■ 44.5470, 67.4667,
11.9569

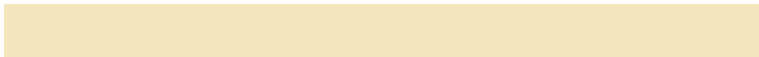
■ 42.6481, 66.5114,
10.7969

■ 42.1168, 66.2421,
10.5662

Harmonies

Analogous

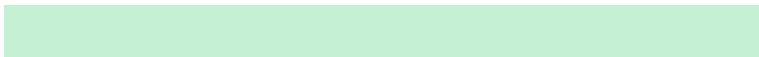
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7452, 79.3486, 59.8937



69.7781, 79.3486, 63.8627



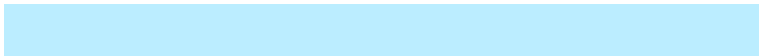
66.4511, 79.3486, 73.8363

Triad

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



69.7781, 79.3486, 63.8627



70.8946, 79.3486, 116.0306



86.3088, 79.3486, 84.4775

Complementary

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



69.7781, 79.3486, 63.8627



61.7474, 59.3871, 87.5696

Split Complementary

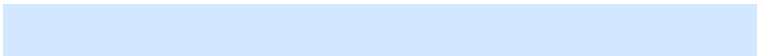
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1583, 79.3486, 100.3073



69.7781, 79.3486, 63.8627



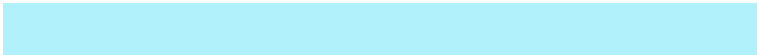
76.0958, 79.3486, 119.7521

Square

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



69.7781, 79.3486, 63.8627



67.0737, 79.3486, 104.0534



81.3549, 79.3486, 113.6922



84.4281, 79.3486, 70.8605

Rectangle

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



69.7781, 79.3486, 63.8627



65.5222, 79.3486, 83.1685



81.3549, 79.3486, 113.6922



86.2642, 79.3486, 89.7083

Sweetspot

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



69.7802, 79.3521, 63.8644



91.3270, 98.3101, 98.3637



67.7703, 68.2442, 61.8263



19.4388, 20.9929, 20.7491



0.0000, 0.0000, 0.0000



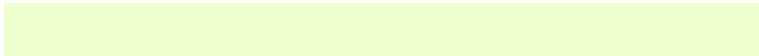
20.3446, 21.4041, 23.3091

Same Dimension

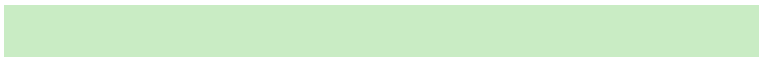
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7802, 79.3521, 63.8644



81.2083, 93.6904, 70.9307



64.1389, 76.4438, 63.6004



15.7727, 17.3284, 16.0321



23.3624, 36.5882, 5.8309



1.9405, 2.9277, 0.4628

Inverse Universe

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



61.7474, 59.3871, 87.5696



70.1141, 66.1142, 103.6737



67.7307, 62.4716, 87.8496



14.7650, 14.8241, 19.0054



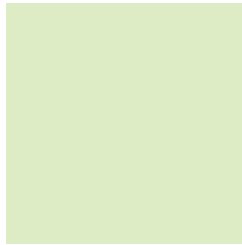
10.7231, 4.5639, 44.0587



0.9456, 0.4118, 3.4645

Previews

White Background



This preview shows how the XYZ color 69.7781, 79.3486, 63.8627 looks on a white background.

Color Contrast Check

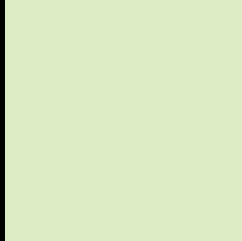
Large Text (above 18pt) WCAG AA × Fail

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 69.7781, 79.3486, 63.8627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

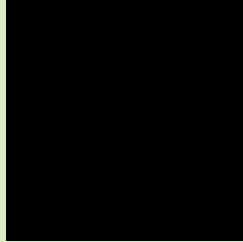
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

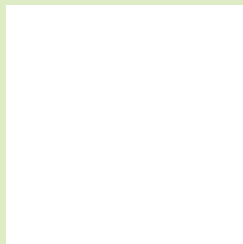
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7781, 79.3486, 63.8627

Background



This preview shows how black text looks on a background with the XYZ color 69.7781, 79.3486, 63.8627.

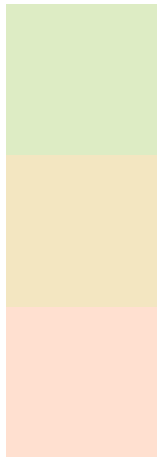


This preview shows how white text looks on a background with the XYZ color 69.7781, 79.3486,

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

69.7781, 79.3486, 63.8627

Protanopia

74.8846, 79.4986, 61.8500

Deuteranopia

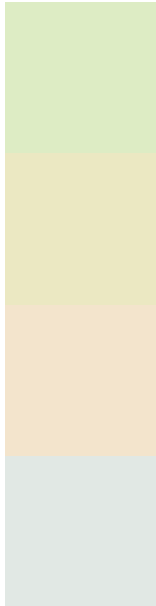
79.2808, 79.1254, 70.7687



Tritanopia

76.8027, 79.2480, 99.2441

Trichromacy



Original Color

69.7781, 79.3486, 63.8627

Protanomaly

72.8552, 79.2704, 62.4998

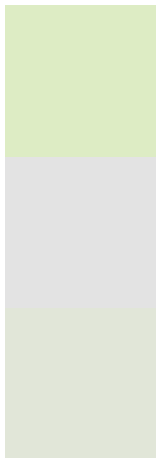
Deuteranomaly

75.6046, 78.9011, 68.3714

Tritanomaly

73.9115, 79.3222, 84.8140

Monochromacy



Original Color

69.7781, 79.3486, 63.8627

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7428, 77.5590, 76.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7781, 79.3486, 63.8627 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(221, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(221, 236, 196)  
}
```

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(221, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 236, 196) }
```

Border

The CSS property to change the border of an element to XYZ 69.7781, 79.3486, 63.8627 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(221, 236, 196) }
```


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

```
.border{ border-color:rgb(221, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(221, 236,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7781, 79.3486, 63.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 236, 196) }
```

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

```
.background{ background-color: rgb(221,  
236, 196) }
```

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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