

Converting Colors

XYZ(68.8662, 78.3854, 66.7586)

Have a look what the booklet for
XYZ(68.8662, 78.3854, 66.7586)
contains.

XYZ(68.8662, 78.3854, 66.7586)	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(68.8662, 78.3854,
66.7586)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EBC9
RGB	217, 235, 201
RGB Percent	85%, 92%, 79%
CMY	0.1490, 0.0784, 0.2118
CMYK	0.08, 0.00, 0.14, 0.08
HSL	92°, 46%, 85%
HSV	92°, 14%, 92%
XYZ	68.8662, 78.3854, 66.7586
YIQ	225.7420, 0.1860, -14.3900

Conversions

Conversions Part 2

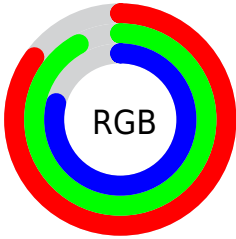
Format	Color
R_{YB}	201, 235, 219
Decimal	14281673
CIE _{Lab}	90.96, -11.93, 14.50
CIE _{LCh}	91, 18.778, 129.455
Yxy	78.3854, 0.3218, 0.3663
Android (android.graphics.Color)	4292471753 (0xFFD9EBC9)
YUV	225.7420, -12.1978, -7.6667
Hunter-Lab	88.5355, -16.0933, 17.2683

Details

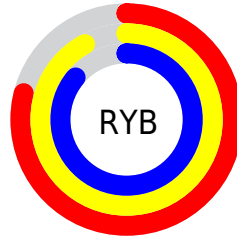
The XYZ color **68.8662, 78.3854, 66.7586** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.0986, 62.8337, 87.2984**, and the grayscale version is **72.1894, 75.9489, 82.7083**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2869, 42.0282, 33.8035** is the 20% darker color. If you saturate the color by 10%, you get **62.7508, 75.5305, 53.1290**, and if you desaturate by 10%, it is **75.6877, 81.5601, 82.6323**.

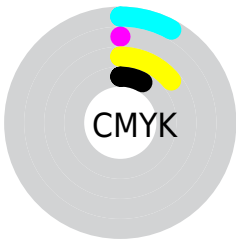
Distribution



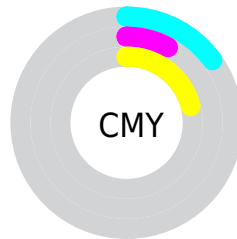
- Red (85%)
- Green (92%)
- Blue (79%)



- Red (79%)
- Yellow (92%)
- Blue (86%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8662, 78.3854, 66.7586 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 68.8662, 78.3854, 66.7586 by changing the saturation by 10% instead.

68.8662, 78.3854,
66.7586

68.8662, 78.3854,
66.7586

445.8877,
489.4747, 467.5631

50.8790, 58.3906,
48.4281

116.6256,
131.0933, 116.2118

36.3330, 42.1228,
33.8036

147.1284,
164.5752, 148.1716

24.8628, 29.1974,
22.4667

182.5339,
203.3215, 185.5116

16.1030, 19.2302,
13.9986

223.2073,
247.7168, 228.6503

9.6884, 11.8368,
7.9810

269.5141,
298.1454, 278.0062

5.2535, 6.6326,
3.9952

321.8195,

2.4330, 3.2334,

354.9916, 333.9980

1.6227

380.4889,
418.6399, 397.0441

■ 0.8616, 1.2548,
0.3069

■ 0.0000, 0.1058,
0.0000

■ 68.8662, 78.3854,
66.7586

■ 68.8662, 78.3854,
66.7586

■ 62.7508, 75.5305,
53.1290

■ 75.6877, 81.5601,
82.6323

■ 57.3100, 72.9743,
41.6371

■ 83.2330, 85.0546,
100.8397

■ 52.5188, 70.7089,
32.1757

■ 88.7541, 87.7731,
106.8718

■ 48.3483, 68.7217,
24.6262

■ 88.9999, 87.8998,
106.8833

■ 44.7669, 66.9994,
18.8577

■ 41.7395, 65.5271,
14.7229

■ 39.2264, 64.2880,
12.0506

■ 37.1800, 63.2624,
10.6320

■ 36.2119, 62.7717,
10.2076

Harmonies

Analogous

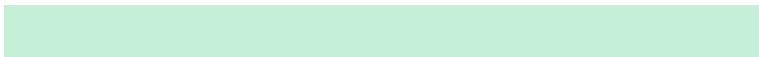
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0174, 78.3854, 62.1269



68.8662, 78.3854, 66.7586



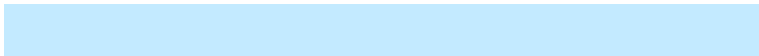
66.2992, 78.3854, 76.5217

Triad

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



68.8662, 78.3854, 66.7586



71.3536, 78.3854, 112.1645



83.8487, 78.3854, 81.1365

Complementary

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



68.8662, 78.3854, 66.7586



65.0986, 62.8337, 87.2984

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.



83.3570, 78.3854, 94.8290



68.8662, 78.3854, 66.7586



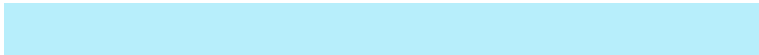
76.0086, 78.3854, 113.7363

Square

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



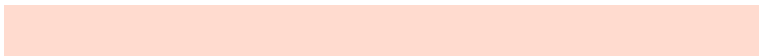
68.8662, 78.3854, 66.7586



67.6925, 78.3854, 103.0121



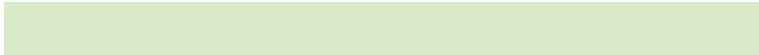
80.4392, 78.3854, 107.1037



81.7555, 78.3854, 69.8289

Rectangle

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



68.8662, 78.3854, 66.7586



65.7654, 78.3854, 85.1008



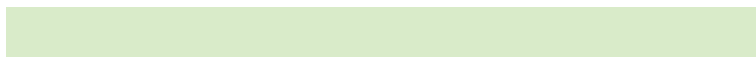
80.4392, 78.3854, 107.1037



83.9821, 78.3854, 85.5964

Sweetspot

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



68.8683, 78.3888, 66.7603



91.4918, 98.3504, 100.3876



70.0252, 72.3194, 65.5278



19.4432, 20.9861, 21.1553



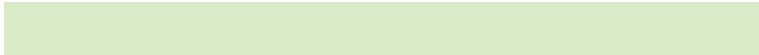
0.0000, 0.0000, 0.0000



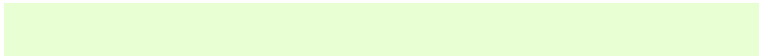
20.3446, 21.4041, 23.3091

Same Dimension

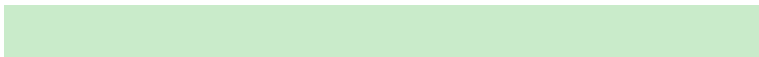
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8683, 78.3888, 66.7603



80.8935, 93.4195, 75.8243



64.4074, 76.0814, 66.9002



15.5423, 17.2096, 16.0213



20.2973, 35.0081, 5.6875



1.7041, 2.8058, 0.4518

Inverse Universe

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



65.0986, 62.8337, 87.2984



75.6362, 71.7269, 104.4660



70.0642, 65.4030, 87.1040



14.9926, 14.9415, 19.0160



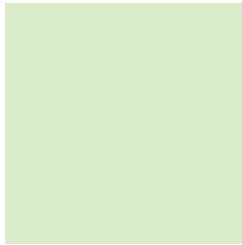
13.1551, 5.8176, 44.1725



1.1440, 0.5140, 3.4738

Previews

White Background



This preview shows how the XYZ color 68.8662, 78.3854, 66.7586 looks on a white background.

Color Contrast Check

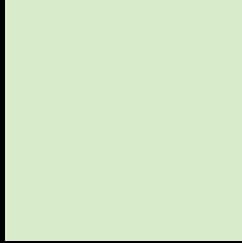
Large Text (above 18pt) WCAG AA × Fail

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 68.8662, 78.3854, 66.7586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

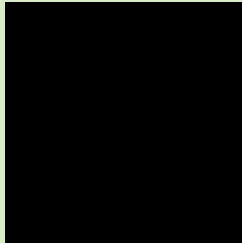
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

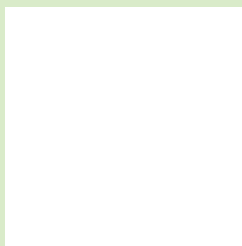
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8662, 78.3854, 66.7586

Background



This preview shows how black text looks on a background with the XYZ color 68.8662, 78.3854, 66.7586.

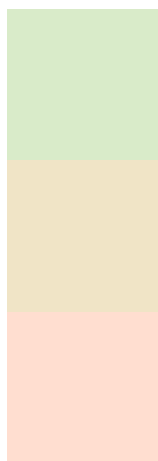


This preview shows how white text looks on a background with the XYZ color 68.8662, 78.3854,

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

68.8662, 78.3854, 66.7586

Protanopia

73.8716, 78.0893, 64.6054

Deuteranopia

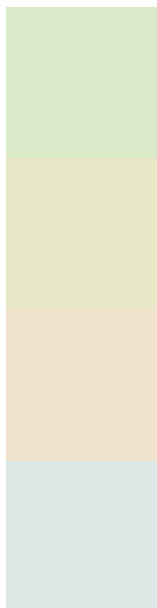
78.7464, 78.0566, 70.5906



Tritanopia

75.5483, 78.6013, 99.1854

Trichromacy



Original Color

68.8662, 78.3854, 66.7586

Protanomaly

72.1634, 78.4312, 65.3681

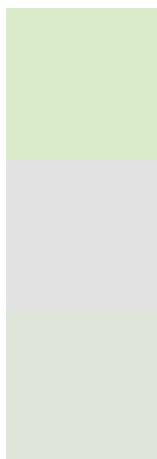
Deuteranomaly

74.7642, 78.0467, 68.8816

Tritanomaly

72.6776, 78.2372, 86.1337

Monochromacy



Original Color

68.8662, 78.3854, 66.7586

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.9751, 76.7364, 76.7164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8662, 78.3854, 66.7586 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(217, 235, 201)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 201)  
}
```

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(217, 235, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 201) }
```

Border

The CSS property to change the border of an element to XYZ 68.8662, 78.3854, 66.7586 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(217, 235, 201) }
```


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

```
.border{ border-color:rgb(217, 235, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 235, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 201);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8662, 78.3854, 66.7586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 201) }
```

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

```
.background{ background-color: rgb(217,  
235, 201) }
```

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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