

Converting Colors

XYZ(78.2765, 83.3675, 85.6215)

Have a look what the booklet for
XYZ(78.2765, 83.3675, 85.6215)
contains.

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Color

**XYZ(78.2600, 83.2545,
85.3438)**

Conversions

Conversions Part 1

Format	Color
Hex	EBECE4
RGB	235, 236, 228
RGB Percent	92%, 93%, 89%
CMY	0.0784, 0.0745, 0.1059
CMYK	0.00, 0.00, 0.03, 0.07
HSL	68°, 17%, 91%
HSV	68°, 3%, 93%
XYZ	78.2600, 83.2545, 85.3438
YIQ	234.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

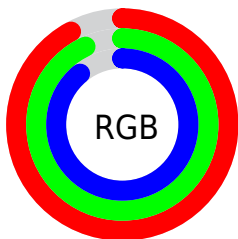
Format	Color
R_{YB}	228, 236, 229
Decimal	15461604
CIE Lab	93.13, -1.73, 3.75
CIE LCh	93, 4.126, 114.819
Yxy	83.2545, 0.3170, 0.3373
Android (android.graphics.Color)	4293651684 (0xFFEBECE4)
YUV	234.7890, -3.3470, 0.1850
Hunter-Lab	91.2439, -6.5772, 8.4146

Details

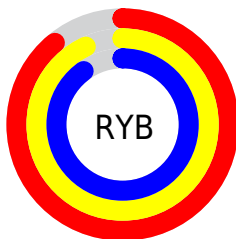
The XYZ color **78.2600, 83.2545, 85.3438** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2000, 78.2032, 90.4924**, and the grayscale version is **78.8308, 82.9361, 90.3174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4545, 45.2434, 46.0304** is the 20% darker color. If you saturate the color by 10%, you get **74.2362, 81.5356, 69.2046**, and if you desaturate by 10%, it is **82.7521, 85.1679, 103.8429**.

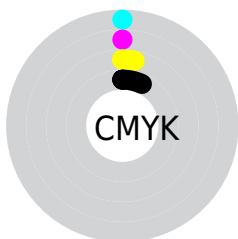
Distribution



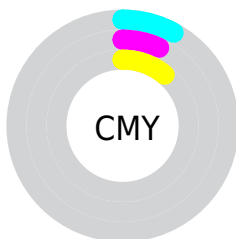
- Red (92%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2600, 83.2545, 85.3438 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 78.2600, 83.2545, 85.3438 by changing the saturation by 10% instead.

■ 78.2600, 83.2545,
85.3438

■ 78.2600, 83.2545,
85.3438

477.8757,
505.8343, 532.9392

■ 58.5911, 62.4001,
63.5737

129.8800,
137.9319, 142.7318

■ 42.5292, 45.3561,
45.8615

162.5618,
172.5236, 179.1869

■ 29.7088, 31.7380,
31.7887

200.3120,
212.4633, 221.3740

■ 19.7646, 21.1615,
20.9367

243.4959,
258.1353, 269.7117

■ 12.3313, 13.2421,
12.8869

292.4789,
309.9240, 324.6185

■ 7.0435, 7.5955,
7.2209

347.6262,

■ 3.5359, 3.8372,

368.2138, 386.5130

3.5201

409.3034,
433.3891, 455.8137

■ 1.4431, 1.5829,
1.3660

■ 0.2866, 0.3460,
0.1149

■ 78.2600, 83.2545,
85.3438

■ 78.2600, 83.2545,
85.3438

■ 74.2362, 81.5356,
69.2046

■ 82.7521, 85.1679,
103.8429

■ 70.6555, 79.9932,
55.3252

■ 84.2966, 85.9015,
106.7455

■ 67.5011, 78.6232,
43.6060

■ 85.3153, 86.4266,
106.7932

■ 64.7521, 77.4172,
33.9383

■ 86.3505, 86.9603,
106.8416

62.3860, 76.3662,
26.2036

87.4023, 87.5025,
106.8908

60.3780, 75.4602,
20.2715

88.4707, 88.0533,
106.9408

58.7001, 74.6881,
15.9955

89.2871, 88.4742,
106.9790

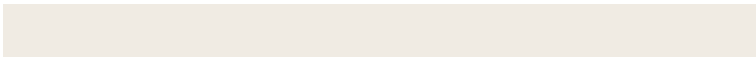
57.3202, 74.0371,
13.2061

56.1990, 73.4913,
11.6978

Harmonies

Analogous

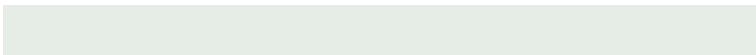
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3191, 83.2545, 84.8391



78.2600, 83.2545, 85.3438



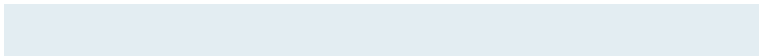
77.4410, 83.2545, 87.2569

Triad

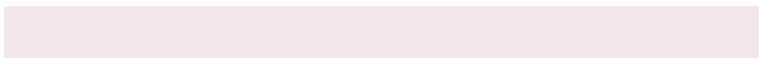
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2600, 83.2545, 85.3438



77.9371, 83.2545, 95.6125



81.2230, 83.2545, 91.1897

Complementary

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



78.2600, 83.2545, 85.3438



75.2000, 78.2032, 90.4924

Split Complementary

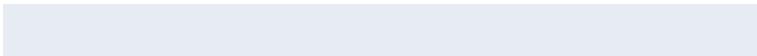
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8452, 83.2545, 94.1299



78.2600, 83.2545, 85.3438



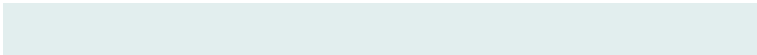
78.9430, 83.2545, 96.7204

Square

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



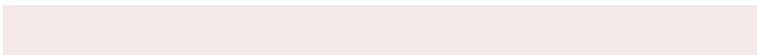
78.2600, 83.2545, 85.3438



77.2558, 83.2545, 93.1765



80.0082, 83.2545, 96.1717



81.0361, 83.2545, 88.1696

Rectangle

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



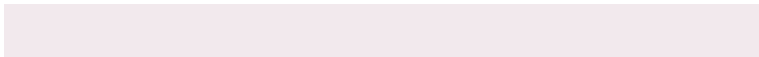
78.2600, 83.2545, 85.3438



77.1381, 83.2545, 89.0971



80.0082, 83.2545, 96.1717



81.1578, 83.2545, 92.2208

Sweetspot

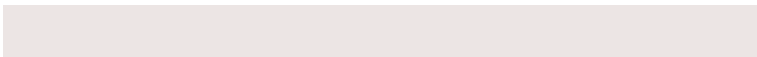
The Sweet Spot groups the original color and five complimentary colors.



78.2623, 83.2581, 85.3456



94.5245, 99.7762, 106.7465



76.5993, 79.4383, 84.6960



20.2377, 21.3586, 22.8708



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.



78.2623, 83.2581, 85.3456



92.9816, 99.1184, 100.4573



76.9785, 82.5962, 85.2855



16.5672, 17.7017, 17.7084



30.7004, 40.3711, 6.1743



2.4628, 3.1970, 0.4873

Inverse Universe

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



75.2000, 78.2032, 90.4924



88.6760, 92.0111, 107.6939



76.4689, 78.8573, 90.5518



15.6644, 16.2114, 19.2258



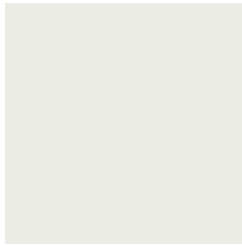
8.6925, 3.5171, 43.9637



0.7394, 0.3055, 3.4549

Previews

White Background



This preview shows how the XYZ color 78.2600, 83.2545, 85.3438 looks on a white background.

Color Contrast Check

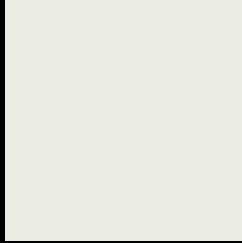
Large Text (above 18pt) WCAG AA × Fail

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 78.2600, 83.2545, 85.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

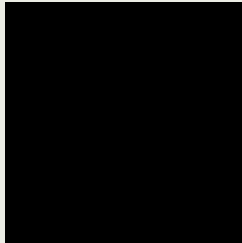
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

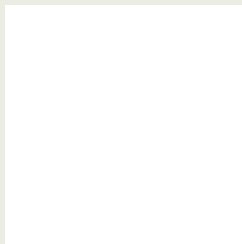
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2600, 83.2545, 85.3438

Background



This preview shows how black text looks on a background with the XYZ color 78.2600, 83.2545, 85.3438.



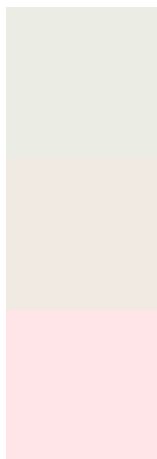
This preview shows how white text looks on a background with the XYZ color 78.2600, 83.2545,

85.3438.

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

78.2600, 83.2545, 85.3438

Protanopia

79.5636, 83.0925, 84.5180

Deuteranopia

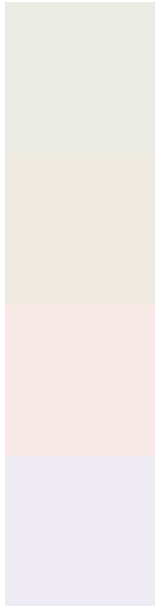
83.6831, 83.0681, 87.2245



Tritanopia

81.8114, 83.4200, 103.0565

Trichromacy



Original Color

78.2600, 83.2545, 85.3438

Protanomaly

79.1701, 83.3134, 84.5814

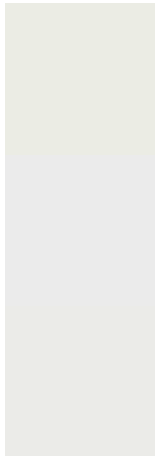
Deuteranomaly

81.8509, 83.3829, 86.6434

Tritanomaly

80.5255, 83.3212, 96.6325

Monochromacy



Original Color

78.2600, 83.2545, 85.3438

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5348, 82.9050, 88.2070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2600, 83.2545, 85.3438 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(235, 236, 228) looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 228)  
}
```

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(235, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 78.2600, 83.2545, 85.3438 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(235, 236, 228) }
```


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

```
.border{ border-color:rgb(235, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2600, 83.2545, 85.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 228) }
```

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

```
.background{ background-color: rgb(235,  
236, 228) }
```

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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