

Converting Colors

XYZ(67.3857, 78.5551, 57.3572)

Have a look what the booklet for
XYZ(67.3857, 78.5551, 57.3572)
contains.

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Color

**XYZ(67.3600, 78.6701,
57.5335)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EDB9
RGB	216, 237, 185
RGB Percent	85%, 93%, 73%
CMY	0.1529, 0.0706, 0.2745
CMYK	0.09, 0.00, 0.22, 0.07
HSL	84°, 59%, 83%
HSV	84°, 22%, 93%
XYZ	67.3600, 78.6701, 57.5335
YIQ	224.7930, 4.1760, -20.6240

Conversions

Conversions Part 2

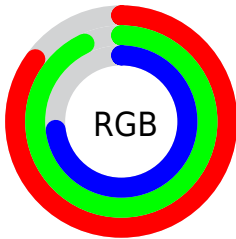
Format	Color
RYB	185, 237, 206
Decimal	14216633
CIELab	91.08, -15.79, 22.94
CIElCh	91, 27.847, 124.539
Yxy	78.6701, 0.3309, 0.3865
Android (android.graphics.Color)	4292406713 (0xFFD8EDB9)
YUV	224.7930, -19.6179, -7.7115
Hunter-Lab	88.6962, -19.6571, 23.6284

Details

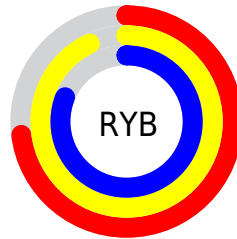
The XYZ color **67.3600, 78.6701, 57.5335** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.0918, 53.9363, 87.4741**, and the grayscale version is **71.5555, 75.2819, 81.9820**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **35.3867, 42.2908, 28.1277** is the 20% darker color. If you saturate the color by 10%, you get **62.3179, 76.3386, 45.3081**, and if you desaturate by 10%, it is **72.9881, 81.2603, 71.9666**.

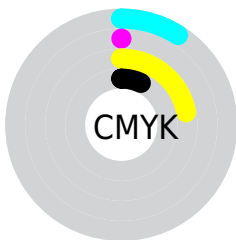
Distribution



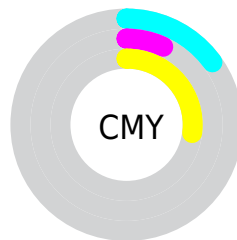
- Red (85%)
- Green (93%)
- Blue (73%)



- Red (73%)
- Yellow (93%)
- Blue (81%)



- Cyan (9%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3600, 78.6701, 57.5335 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 67.3600, 78.6701, 57.5335 by changing the saturation by 10% instead.

67.3600, 78.6701,
57.5335

67.3600, 78.6701,
57.5335

440.6375,
490.4396, 432.9950

49.6490, 58.6246,
41.0215

114.4831,
131.4943, 102.7513

35.3513, 42.3110,
28.0161

144.6258,
165.0418, 132.2941

24.1014, 29.3449,
18.0986

179.6433,
203.8588, 167.0177

15.5340, 19.3419,
10.8506

219.9007,
248.3297, 207.3405

9.2837, 11.9176,
5.8536

265.7635,
298.8388, 253.6811

4.9853, 6.6876,
2.6889

317.5970,

2.2733, 3.2675,

355.7706, 306.4580

0.9378

375.7665,
419.5094, 366.0898

■ 0.7810, 1.2729,
0.0000

■ 0.0000, 0.1201,
0.0000

■ 67.3600, 78.6701,
57.5335

■ 67.3600, 78.6701,
57.5335

■ 62.3179, 76.3386,
45.3081

■ 72.9881, 81.2603,
71.9666

■ 57.8323, 74.2458,
35.1763

■ 79.2180, 84.1079,
88.7037

■ 53.8799, 72.3846,
27.0217

■ 85.8943, 87.1537,
106.9030

■ 50.4331, 70.7438,
20.7143

■ 89.3161, 88.9178,
107.0631

■ 47.4613, 69.3106,
16.1086

■ 89.5758, 89.0517,
107.0753

■ 44.9296, 68.0709,
13.0371

■ 42.7967, 67.0076,
11.2986

■ 41.3172, 66.2585,
10.6115

Harmonies

Analogous

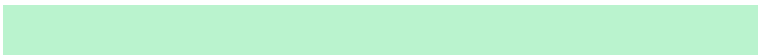
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7077, 78.6701, 52.5391



67.3600, 78.6701, 57.5335



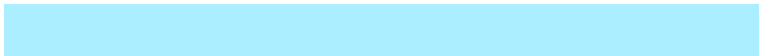
63.2080, 78.6701, 70.0530

Triad

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



67.3600, 78.6701, 57.5335



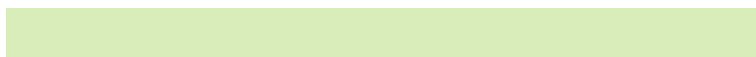
69.1051, 78.6701, 125.6348



89.0923, 78.6701, 82.6276

Complementary

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



67.3600, 78.6701, 57.5335



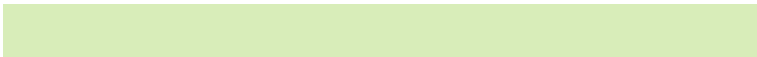
58.0918, 53.9363, 87.4741

Split Complementary

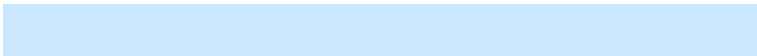
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6703, 78.6701, 103.4245



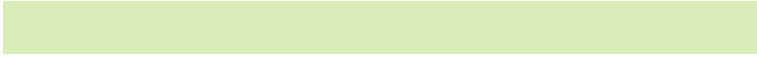
67.3600, 78.6701, 57.5335



75.8497, 78.6701, 130.3962

Square

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



67.3600, 78.6701, 57.5335



64.1703, 78.6701, 109.5661



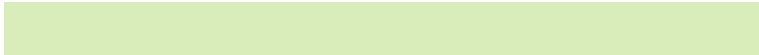
82.7121, 78.6701, 121.7167



86.4849, 78.6701, 65.5090

Rectangle

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



67.3600, 78.6701, 57.5335



62.0944, 78.6701, 82.0224



82.7121, 78.6701, 121.7167



89.0709, 78.6701, 89.4002

Sweetspot

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



67.3621, 78.6735, 57.5352



89.7050, 97.5613, 94.3390



65.7081, 65.5564, 55.0905



19.1055, 20.8387, 19.9376



0.0000, 0.0000, 0.0000



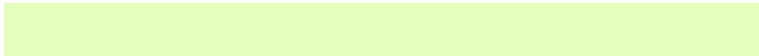
20.3446, 21.4041, 23.3091

Same Dimension

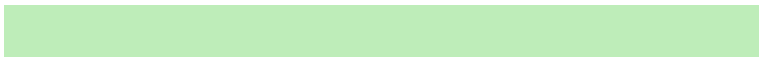
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3621, 78.6735, 57.5352



76.9776, 91.7112, 61.6184



60.3288, 75.0477, 57.2060



15.7293, 17.3060, 16.0301



22.7088, 36.2513, 5.8003



1.8915, 2.9024, 0.4605

Inverse Universe

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



58.0918, 53.9363, 87.4741



64.3485, 58.0060, 102.4125



65.8518, 57.9368, 87.8372



14.8072, 14.8459, 19.0074



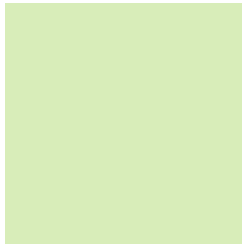
11.1031, 4.7598, 44.0765



0.9781, 0.4285, 3.4660

Previews

White Background



This preview shows how the XYZ color 67.3600, 78.6701, 57.5335 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 67.3600, 78.6701, 57.5335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

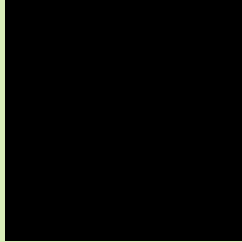
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

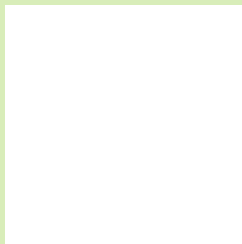
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3600, 78.6701, 57.5335

Background



This preview shows how black text looks on a background with the XYZ color 67.3600, 78.6701, 57.5335.

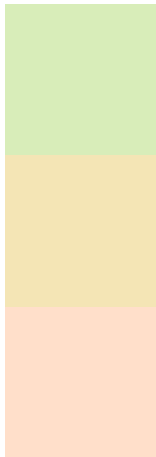


This preview shows how white text looks on a background with the XYZ color 67.3600, 78.6701,

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

67.3600, 78.6701, 57.5335

Protanopia

73.6680, 78.6079, 55.0062

Deuteranopia

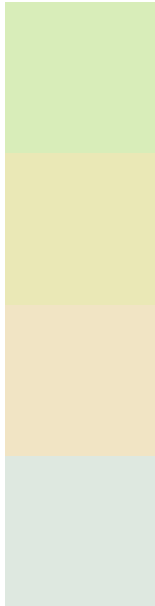
78.2883, 78.2996, 66.8642



Tritanopia

75.8591, 78.7616, 99.2000

Trichromacy



Original Color

67.3600, 78.6701, 57.5335

Protanomaly

71.2318, 78.5830, 55.6697

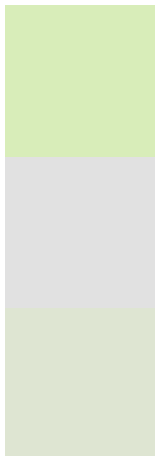
Deuteranomaly

73.9828, 78.1731, 63.4142

Tritanomaly

72.4354, 78.6246, 81.8793

Monochromacy



Original Color

67.3600, 78.6701, 57.5335

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.7764, 76.2214, 72.0074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3600, 78.6701, 57.5335 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(216, 237, 185)` looks like.

```
.text, #text, p{  
    color:rgb(216, 237, 185)  
}
```

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(216, 237, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 237, 185) }
```

Border

The CSS property to change the border of an element to XYZ 67.3600, 78.6701, 57.5335 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(216, 237, 185) }
```


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

```
.border{ border-color:rgb(216, 237, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 237, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 237, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 237, 185);  
box-shadow:4px 4px 4px 4px rgb(216, 237,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3600, 78.6701, 57.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 237, 185) }
```

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

```
.background{ background-color: rgb(216,  
237, 185) }
```

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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