

Converting Colors

XYZ(70.6499, 85.1986, 45.7341)

Have a look what the booklet for
XYZ(70.6499, 85.1986, 45.7341)
contains.

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Color

**XYZ(70.5701, 85.0323,
45.4943)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F79F
RGB	225, 247, 159
RGB Percent	88%, 97%, 62%
CMY	0.1176, 0.0313, 0.3765
CMYK	0.09, 0.00, 0.36, 0.03
HSL	75°, 85%, 80%
HSV	75°, 36%, 97%
XYZ	70.5701, 85.0323, 45.4943
YIQ	230.3900, 15.1360, -32.0320

Conversions

Conversions Part 2

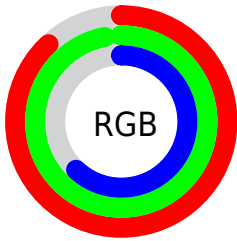
Format	Color
RYB	159, 247, 181
Decimal	14808991
CIELab	93.90, -20.94, 39.96
CIElCh	94, 45.112, 117.654
Yxy	85.0323, 0.3509, 0.4228
Android (android.graphics.Color)	4292999071 (0xFFE1F79F)
YUV	230.3900, -35.1953, -4.7270
Hunter-Lab	92.2130, -24.7676, 35.2977

Details

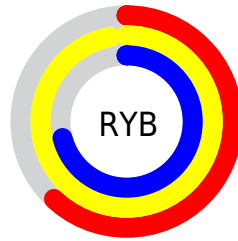
The XYZ color **70.5701, 85.0323, 45.4943** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.2460, 41.3377, 93.4367**, and the grayscale version is **75.7495, 79.6943, 86.7871**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **37.5945, 46.7372, 20.6754** is the 20% darker color. If you saturate the color by 10%, you get **66.7472, 83.2876, 35.2230**, and if you desaturate by 10%, it is **74.8953, 86.9918, 58.0281**.

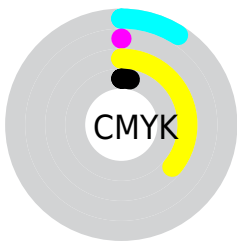
Distribution



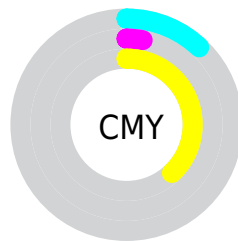
- Red (88%)
- Green (97%)
- Blue (62%)



- Red (62%)
- Yellow (97%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (36%)
- Black (3%)



- Cyan (12%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5701, 85.0323, 45.4943 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 70.5701, 85.0323, 45.4943 by changing the saturation by 10% instead.


 70.5701, 85.0323,
45.4943


 70.5701, 85.0323,
45.4943

451.7845,
511.7349, 384.9902

 52.2727, 63.8681,
31.5012


 119.0432,
140.4183, 84.7880

 37.4476, 46.5438,
20.7191


 149.9497,
175.4089, 110.9256

 25.7295, 32.6752,
12.7296


185.7899,
215.7770, 141.9484

 16.7530, 21.8777,
7.1141

226.9292,
261.9071, 178.2750

 10.1528, 13.7671,
3.4540

273.7330,
314.1835, 220.3240

 5.5634, 7.9588,
1.3309

326.5665,

 2.6196, 4.0686,

372.9907, 268.5138

0.0869

385.7952,
438.7131, 323.2630

■ 0.9559, 1.7120,
0.0000

■ 0.0000, 0.4314,
0.0000

■ 70.5701, 85.0323,
45.4943

■ 70.5701, 85.0323,
45.4943

■ 66.7472, 83.2876,
35.2230

■ 74.8953, 86.9918,
58.0281

■ 63.3937, 81.7357,
27.0737

■ 79.7407, 89.1646,
72.9430

■ 60.4828, 80.3688,
20.8986

■ 85.1308, 91.5635,
90.3556

■ 57.9815, 79.1735,
16.5288

■ 90.6318, 94.0150,
107.9776

■ 55.8517, 78.1344,
13.7670

■ 92.5526, 95.0052,
108.0675

■ 54.0463, 77.2328,
12.3694

■ 53.3283, 76.8694,
12.0266

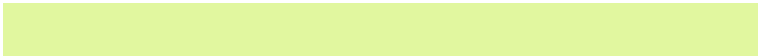
Harmonies

Analogous

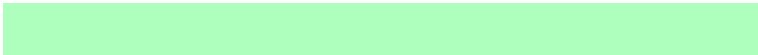
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7694, 85.0323, 40.9826



70.5701, 85.0323, 45.4943



62.8401, 85.0323, 61.5197

Triad

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



70.5701, 85.0323, 45.4943



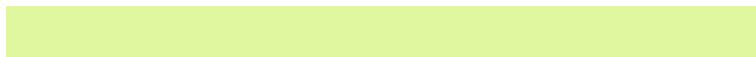
69.0852, 85.0323, 160.4465



106.1572, 85.0323, 95.3189

Complementary

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



70.5701, 85.0323, 45.4943



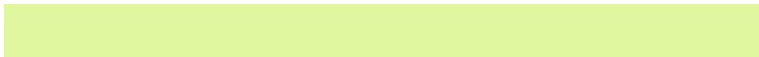
48.2460, 41.3377, 93.4367

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.



101.9403, 85.0323, 132.6658



70.5701, 85.0323, 45.4943



79.8792, 85.0323, 175.6259

Square

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



70.5701, 85.0323, 45.4943



62.0444, 85.0323, 126.7960



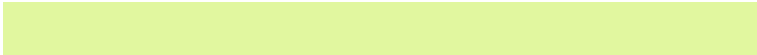
92.0187, 85.0323, 164.3834



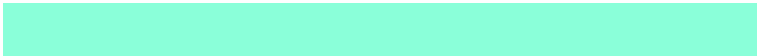
103.0476, 85.0323, 65.1590

Rectangle

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



70.5701, 85.0323, 45.4943



60.2972, 85.0323, 79.1539



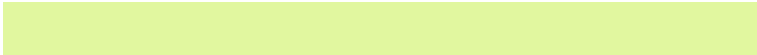
92.0187, 85.0323, 164.3834



105.5412, 85.0323, 107.4571

Sweetspot

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



70.5722, 85.0361, 45.4961



88.3246, 97.0172, 86.7079



61.1427, 55.3277, 40.2588



18.7385, 20.6915, 18.0235



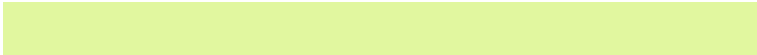
0.0000, 0.0000, 0.0000



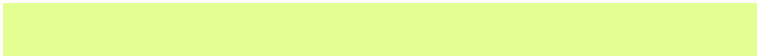
20.3446, 21.4041, 23.3091

Same Dimension

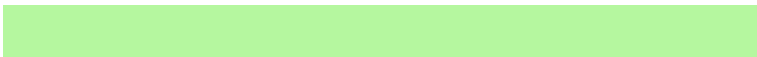
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5722, 85.0361, 45.4961



72.7601, 90.0007, 40.4668



58.5777, 78.8527, 44.9348



17.4864, 19.0928, 17.5612



28.3388, 40.7220, 6.3665



2.5841, 3.6272, 0.5639

Inverse Universe

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



48.2460, 41.3377, 93.4367



45.4114, 36.4358, 99.2471



60.2410, 47.5213, 93.9980



15.9694, 16.1269, 20.8137



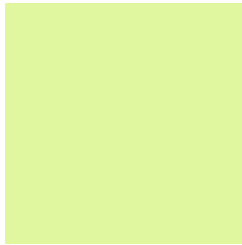
10.0304, 4.1452, 46.8095



0.9720, 0.4109, 4.1183

Previews

White Background



This preview shows how the XYZ color 70.5701, 85.0323, 45.4943 looks on a white background.

Color Contrast Check

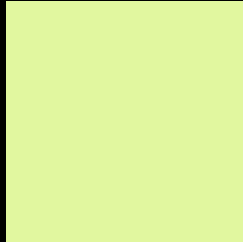
Large Text (above 18pt) WCAG AA × Fail

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 70.5701, 85.0323, 45.4943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

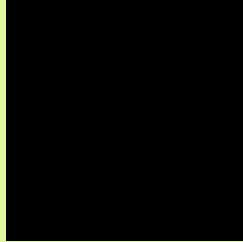
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5701, 85.0323, 45.4943

Background



This preview shows how black text looks on a background with the XYZ color 70.5701, 85.0323, 45.4943.

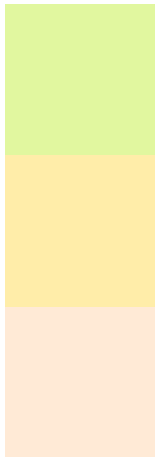


This preview shows how white text looks on a background with the XYZ color 70.5701, 85.0323,

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

70.5701, 85.0323, 45.4943

Protanopia

78.6856, 84.6929, 49.7363

Deuteranopia

82.8004, 84.9607, 75.6533



Tritanopia

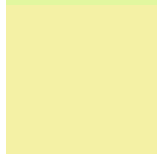
82.5228, 84.5769, 105.7415

Trichromacy



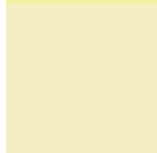
Original Color

70.5701, 85.0323, 45.4943



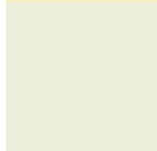
Protanomaly

75.5551, 84.8603, 47.9948



Deuteranomaly

77.9123, 84.8611, 63.3124



Tritanomaly

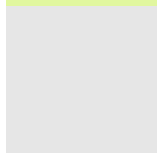
77.2570, 84.1711, 79.1926

Monochromacy



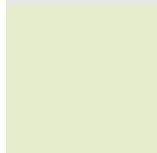
Original Color

70.5701, 85.0323, 45.4943



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.8894, 80.8445, 68.8896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5701, 85.0323, 45.4943 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(225, 247, 159)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 159)  
}
```

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(225, 247, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 159) }
```

Border

The CSS property to change the border of an element to XYZ 70.5701, 85.0323, 45.4943 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(225, 247, 159) }
```


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

```
.border{ border-color:rgb(225, 247, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 159);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5701, 85.0323, 45.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 159) }
```

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

```
.background{ background-color: rgb(225,  
247, 159) }
```

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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