

Converting Colors

XYZ(77.7168, 85.0140, 42.4502)

Have a look what the booklet for
XYZ(77.7168, 85.0140, 42.4502)
contains.

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Color

**XYZ(77.8563, 85.2929,
42.4967)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF99
RGB	255, 239, 153
RGB Percent	100%, 94%, 60%
CMY	0.0000, 0.0627, 0.4000
CMYK	0.00, 0.06, 0.40, 0.00
HSL	51°, 100%, 80%
HSV	51°, 40%, 100%
XYZ	77.8563, 85.2929, 42.4967
YIQ	233.9800, 37.1420, -23.3540

Conversions

Conversions Part 2

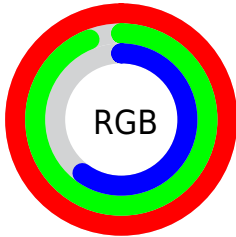
Format	Color
R_{YB}	172, 255, 153
Decimal	16773017
CIE _{Lab}	94.01, -6.35, 43.51
CIE _{LCh}	94, 43.972, 98.299
Yxy	85.2929, 0.3786, 0.4148
Android (android.graphics.Color)	4294963097 (0xFFFFEF99)
YUV	233.9800, -39.9231, 18.4345
Hunter-Lab	92.3542, -11.1409, 37.3657

Details

The XYZ color **77.8563, 85.2929, 42.4967** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.3746, 42.3670, 100.3939**, and the grayscale version is **78.4665, 82.5528, 89.9000**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **42.2597, 46.6574, 18.8350** is the 20% darker color. If you saturate the color by 10%, you get **74.8142, 82.2267, 32.1790**, and if you desaturate by 10%, it is **81.3785, 88.5988, 55.1967**.

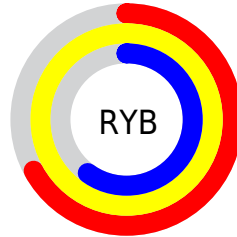
Distribution



Red (100%)

Green (94%)

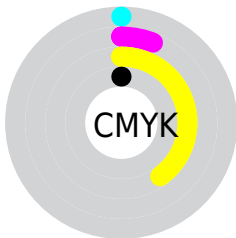
Blue (60%)



Red (67%)

Yellow (100%)

Blue (60%)

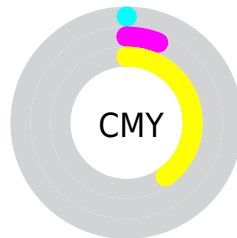


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8563, 85.2929, 42.4967 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 77.8563, 85.2929, 42.4967 by changing the saturation by 10% instead.


 77.8563, 85.2929,
42.4967


 77.8563, 85.2929,
42.4967


476.5260,
512.5968, 372.3981

 58.2583, 64.0834,
29.1619


 129.3140,
140.7823, 80.2290

 42.2604, 46.7182,
18.9567


 161.9044,
175.8311, 105.4636

 29.4973, 32.8130,
11.4625

199.5563,
216.2617, 135.5019

 19.6035, 21.9832,
6.2608

242.6350,
262.4586, 170.7625

 12.2137, 13.8446,
2.9329

291.5060,
314.8061, 211.6639

 6.9626, 8.0126,
1.0605

346.5346,

 3.4849, 4.1030,

373.6888, 258.6246

0.0000

408.0861,
439.4908, 312.0631

■ 1.4151, 1.7314,
0.0000

■ 0.2669, 0.4438,
0.0000

■ 77.8563, 85.2929,
42.4967

■ 77.8563, 85.2929,
42.4967

■ 74.8142, 82.2267,
32.1790

■ 81.3785, 88.5988,
55.1967

■ 72.2170, 79.3766,
24.0860

■ 85.4012, 92.1434,
70.4127

■ 70.0342, 76.7331,
18.0492

■ 89.9509, 95.9408,
88.2747

■ 68.2287, 74.2812,
13.8739

95.0500, 100.0000,
108.9000

■ 66.7562, 72.0028,
11.3279

■ 65.5445, 69.8689,
10.0316

■ 65.5443, 69.8687,
10.0314

Harmonies

Analogous

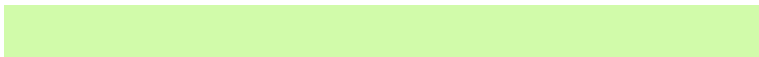
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6966, 85.2929, 44.8556



77.8563, 85.2929, 42.4967



67.8786, 85.2929, 50.8433

Triad

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



77.8563, 85.2929, 42.4967



64.6260, 85.2929, 138.9277



103.8802, 85.2929, 118.8578

Complementary

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



77.8563, 85.2929, 42.4967



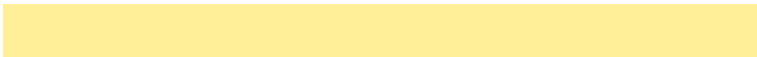
45.3746, 42.3670, 100.3939

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.



95.8647, 85.2929, 153.3401



77.8563, 85.2929, 42.4967



73.0119, 85.2929, 166.7367

Square

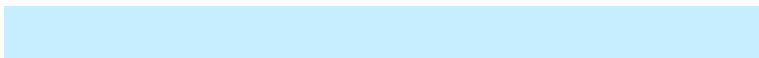
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8563, 85.2929, 42.4967



60.7368, 85.2929, 102.5082



84.3675, 85.2929, 172.5661



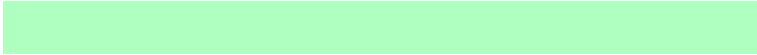
105.4956, 85.2929, 83.8547

Rectangle

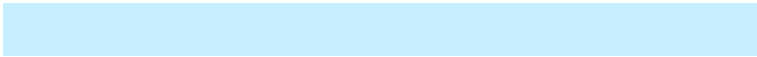
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8563, 85.2929, 42.4967



63.3542, 85.2929, 62.8955



84.3675, 85.2929, 172.5661



101.8102, 85.2929, 131.1129

Sweetspot

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



77.8584, 85.2968, 42.4985



88.9972, 95.1603, 84.4829



59.8876, 46.9457, 43.9363



18.9183, 20.2603, 17.5657



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

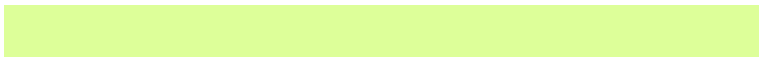
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8584, 85.2968, 42.4985



75.3861, 82.8224, 34.0587



71.3290, 89.1923, 43.5945



19.3044, 20.5769, 19.0986



34.3394, 36.6900, 5.2720



3.4059, 3.6971, 0.5341

Inverse Universe

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



45.3746, 42.3670, 100.3939



38.8544, 34.5633, 99.2313



49.9356, 40.5683, 99.8063



17.2329, 17.8375, 22.7847



9.8955, 4.7006, 49.8203



1.0268, 0.5843, 4.8719

Previews

White Background



This preview shows how the XYZ color 77.8563, 85.2929, 42.4967 looks on a white background.

Color Contrast Check

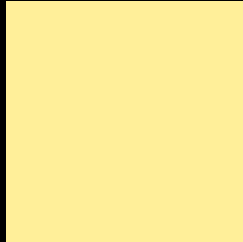
Large Text (above 18pt) WCAG AA × Fail

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 77.8563, 85.2929, 42.4967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

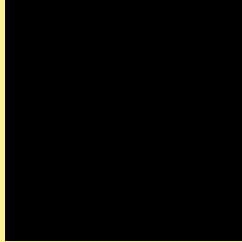
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8563, 85.2929, 42.4967

Background



This preview shows how black text looks on a background with the XYZ color 77.8563, 85.2929, 42.4967.



This preview shows how white text looks on a background with the XYZ color 77.8563, 85.2929,

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

77.8563, 85.2929, 42.4967

Protanopia

79.2609, 85.3876, 51.3337

Deuteranopia

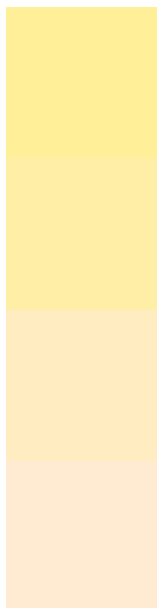
82.9286, 85.0119, 76.3281



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

77.8563, 85.2929, 42.4967

Protanomaly

78.6061, 85.1257, 47.8852

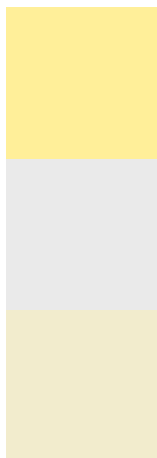
Deuteranomaly

80.7499, 85.0567, 62.0308

Tritanomaly

82.5812, 85.3298, 73.0906

Monochromacy



Original Color

77.8563, 85.2929, 42.4967

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6328, 83.2759, 69.7398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8563, 85.2929, 42.4967 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(255, 239, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 153)  
}
```

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(255, 239, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 153) }
```

Border

The CSS property to change the border of an element to XYZ 77.8563, 85.2929, 42.4967 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(255, 239, 153) }
```


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

```
.border{ border-color:rgb(255, 239, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8563, 85.2929, 42.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 153) }
```

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

```
.background{ background-color: rgb(255,  
239, 153) }
```

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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