

Converting Colors

XYZ(74.4540, 85.8943, 45.5000)

Have a look what the booklet for
XYZ(74.4540, 85.8943, 45.5000)
contains.

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Color

**XYZ(74.2053, 85.5553,
45.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF49F
RGB	239, 244, 159
RGB Percent	94%, 96%, 62%
CMY	0.0627, 0.0431, 0.3765
CMYK	0.02, 0.00, 0.35, 0.04
HSL	64°, 79%, 79%
HSV	64°, 35%, 96%
XYZ	74.2053, 85.5553, 45.4037
YIQ	232.8150, 24.3050, -27.4950

Conversions

Conversions Part 2

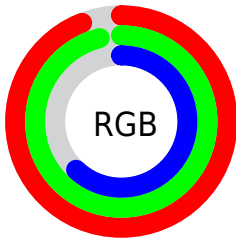
Format	Color
R _Y B	159, 244, 164
Decimal	15725727
CIE Lab	94.12, -14.26, 40.45
CIE LCh	94, 42.887, 109.425
Yxy	85.5553, 0.3617, 0.4170
Android (android.graphics.Color)	4293915807 (0xFFEFF49F)
YUV	232.8150, -36.3908, 5.4242
Hunter-Lab	92.4961, -18.6660, 35.6435

Details

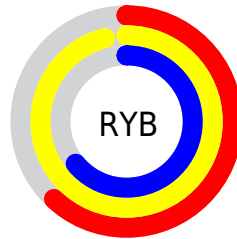
The XYZ color **74.2053, 85.5553, 45.4037** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.0403, 39.2227, 90.8425**, and the grayscale version is **77.5671, 81.6066, 88.8696**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **39.8761, 46.9521, 20.5966** is the 20% darker color. If you saturate the color by 10%, you get **71.8111, 84.5448, 35.3090**, and if you desaturate by 10%, it is **77.0256, 86.7427, 57.7034**.

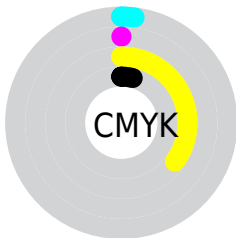
Distribution



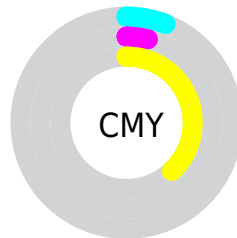
- Red (94%)
- Green (96%)
- Blue (62%)



- Red (62%)
- Yellow (96%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (4%)





- Cyan (6%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.2053, 85.5553, 45.4037 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 74.2053, 85.5553, 45.4037 by changing the saturation by 10% instead.


 74.2053, 85.5553,
45.4037


 74.2053, 85.5553,
45.4037


464.2210,
513.4637, 384.6138

 55.2540, 64.3003,
31.4303


 124.1807,
141.1488, 84.6507

 39.8397, 46.8939,
20.6655


 155.9355,
176.2560, 110.7614

 27.5973, 32.9518,
12.6909


192.6889,
216.7495, 141.7549

 18.1612, 22.0895,
7.0878

234.8061,
263.0135, 178.0498

 11.1662, 13.9227,
3.4378

282.6526,
315.4326, 220.0646

 6.2468, 8.0669,
1.3223

336.5936,

 3.0378, 4.1378,

374.3911, 268.2178

0.0800

396.9947,
440.2733, 322.9280

■ 1.1738, 1.7509,
0.0000

■ 0.0855, 0.4563,
0.0000

■ 74.2053, 85.5553,
45.4037

■ 74.2053, 85.5553,
45.4037

■ 71.8111, 84.5448,
35.3090

■ 77.0256, 86.7427,
57.7034

■ 69.8120, 83.6898,
27.2837


■ 80.2884, 88.1045,
72.3223


■ 68.1826, 82.9831,
21.1858


■ 84.0168, 89.6531,
89.3729


■ 66.8923, 82.4125,
16.8532


■ 87.9710, 91.2923,
107.5924


 65.9051, 81.9635,
14.0972


 88.4736, 91.5515,
107.6159


 65.1772, 81.6187,
12.6861

 88.9802, 91.8126,
107.6396

 64.8690, 81.4679,
12.3059

 89.4906, 92.0758,
107.6635

 90.0050, 92.3409,
107.6876

 90.5233, 92.6081,
107.7118

Harmonies

Analogous

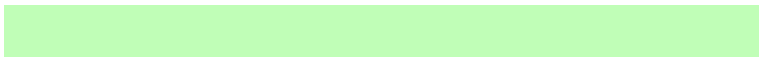
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4304, 85.5553, 43.8601



74.2053, 85.5553, 45.4037



65.6984, 85.5553, 57.8324

Triad

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



74.2053, 85.5553, 45.4037



67.8069, 85.5553, 149.7999



104.9667, 85.5553, 105.2271

Complementary

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



74.2053, 85.5553, 45.4037



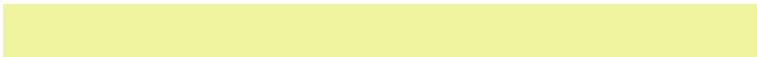
44.0403, 39.2227, 90.8425

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.



99.2350, 85.5553, 140.5433



74.2053, 85.5553, 45.4037



77.3393, 85.5553, 170.0079

Square

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



74.2053, 85.5553, 45.4037



62.2515, 85.5553, 115.7658



88.8707, 85.5553, 166.2705



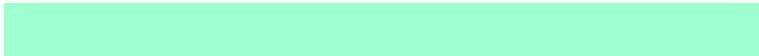
103.9265, 85.5553, 73.6988

Rectangle

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



74.2053, 85.5553, 45.4037



62.3782, 85.5553, 72.6850



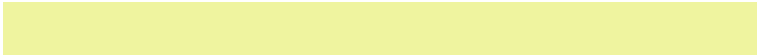
88.8707, 85.5553, 166.2705



103.7484, 85.5553, 117.1475

Sweetspot

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



74.2074, 85.5592, 45.4055



90.6624, 98.1814, 88.6678



56.7108, 48.0218, 39.0822



19.2827, 20.9638, 18.4178



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.



74.2074, 85.5592, 45.4055



80.0548, 93.7382, 41.8494



61.7034, 79.1131, 44.8203



17.8126, 19.2610, 17.5765



35.3117, 44.3167, 6.6928



3.1323, 3.9098, 0.5896

Inverse Universe

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



44.0403, 39.2227, 90.8425



41.9902, 35.2589, 99.2003



54.1142, 44.4159, 91.3139



15.6715, 15.9733, 20.7997



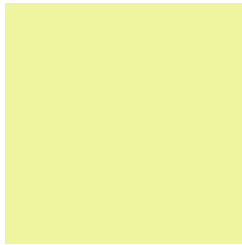
9.0164, 3.6224, 46.7620



0.8236, 0.3344, 4.1114

Previews

White Background



This preview shows how the XYZ color 74.2053, 85.5553, 45.4037 looks on a white background.

Color Contrast Check

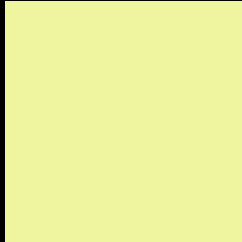
Large Text (above 18pt) WCAG AA × Fail

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 74.2053, 85.5553, 45.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

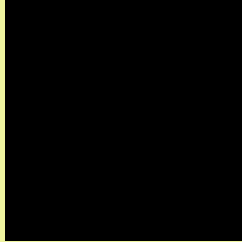
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.2053, 85.5553, 45.4037

Background



This preview shows how black text looks on a background with the XYZ color 74.2053, 85.5553, 45.4037.

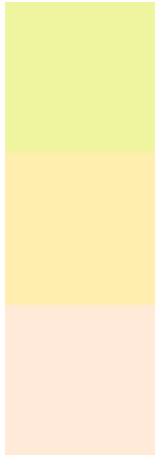


This preview shows how white text looks on a background with the XYZ color 74.2053, 85.5553,

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

74.2053, 85.5553, 45.4037

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

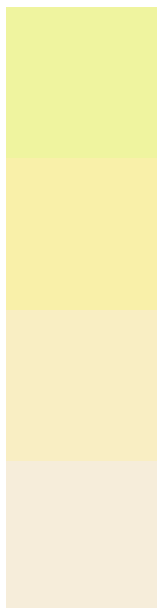
83.3430, 85.6345, 77.1022



Tritanopia

85.9758, 85.5669, 103.2514

Trichromacy



Original Color

74.2053, 85.5553, 45.4037

Protanomaly

77.3884, 85.3245, 49.9266

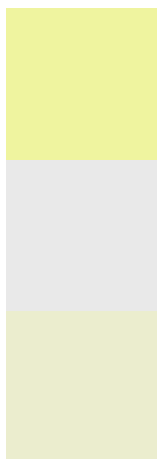
Deuteranomaly

79.4918, 85.2289, 63.8909

Tritanomaly

80.9451, 85.2232, 78.5131

Monochromacy



Original Color

74.2053, 85.5553, 45.4037

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.6857, 82.6868, 70.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.2053, 85.5553, 45.4037 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(239, 244, 159)` looks like.

```
.text, #text, p{  
    color:rgb(239, 244, 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(239, 244, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 244, 159) }
```

Border

The CSS property to change the border of an element to XYZ 74.2053, 85.5553, 45.4037 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(239, 244, 159) }
```


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

```
.border{ border-color:rgb(239, 244, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 244, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 244, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 244, 159);  
box-shadow:4px 4px 4px 4px rgb(239, 244,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 74.2053, 85.5553, 45.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 244, 159) }
```

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

```
.background{ background-color: rgb(239,  
244, 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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