

Converting Colors

XYZ(74.0073, 87.5000, 55.6364)

Have a look what the booklet for
XYZ(74.0073, 87.5000, 55.6364)
contains.

XYZ(74.0073, 87.5000, 55.6364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.0073, 87.5000,
55.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F9B3
RGB	228, 249, 179
RGB Percent	89%, 98%, 70%
CMY	0.1059, 0.0235, 0.2980
CMYK	0.08, 0.00, 0.28, 0.02
HSL	78°, 85%, 84%
HSV	78°, 28%, 98%
XYZ	74.0073, 87.5000, 55.6364
YIQ	234.7410, 9.9540, -26.2220

Conversions

Conversions Part 2

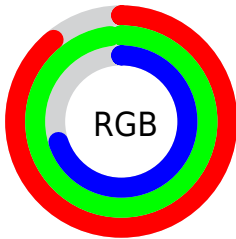
Format	Color
RYB	179, 249, 200
Decimal	15006131
CIELab	94.95, -18.24, 31.40
CIELCh	95, 36.315, 120.155
Yxy	87.5000, 0.3408, 0.4030
Android (android.graphics.Color)	4293196211 (0xFFE4F9B3)
YUV	234.7410, -27.4803, -5.9119
Hunter-Lab	93.5414, -22.4734, 30.2146

Details

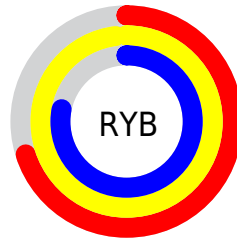
The XYZ color **74.0073, 87.5000, 55.6364** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.0418, 51.3614, 96.5347**, and the grayscale version is **78.9677, 83.0801, 90.4743**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **39.8491, 48.4169, 26.9838** is the 20% darker color. If you saturate the color by 10%, you get **69.3943, 85.3898, 43.4407**, and if you desaturate by 10%, it is **79.1821, 89.8526, 70.2357**.

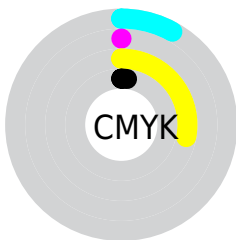
Distribution



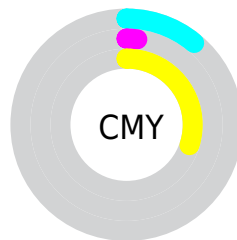
- Red (89%)
- Green (98%)
- Blue (70%)



- Red (70%)
- Yellow (98%)
- Blue (78%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.0073, 87.5000, 55.6364 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 74.0073, 87.5000, 55.6364 by changing the saturation by 10% instead.


 74.0073, 87.5000,
55.6364

 74.0073, 87.5000,
55.6364


463.5485,
519.8644, 425.6695

 55.0913, 65.9091,
39.5094


 123.9016,
143.8609, 99.9532

 39.7090, 48.1986,
26.8454


155.6106,
179.3996, 128.9802

 27.4949, 33.9842,
17.2257

192.3147,
220.3563, 163.1442

 18.0838, 22.8814,
10.2319

234.3792,
267.1155, 202.8639

 11.1102, 14.5060,
5.4454

282.1695,
320.0615, 248.5577

 6.2088, 8.4734,
2.4476

336.0509,

 3.0143, 4.3993,

379.5787, 300.6442

0.8122

396.3888,
446.0516, 359.5420

■ 1.1614, 1.8994,
0.0000

■ 0.0755, 0.5480,
0.0000

■ 74.0073, 87.5000,
55.6364

■ 74.0073, 87.5000,
55.6364

■ 69.3943, 85.3898,
43.4407

■ 79.1821, 89.8526,
70.2357

■ 65.3106, 83.5001,
33.5139

■ 84.9357, 92.4459,
87.3522

■ 61.7302, 81.8232,
25.7168

■ 91.2930, 95.2927,
107.0993

■ 58.6222, 80.3466,
19.8924

■ 93.1675, 96.2350,
108.2725

■ 55.9512, 79.0561,
15.8623

■ 53.6758, 77.9349,
13.4155

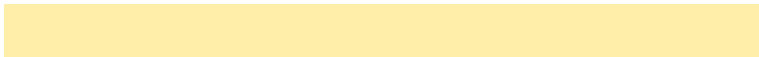
■ 51.7398, 76.9604,
12.2628

■ 51.3976, 76.7869,
12.1124

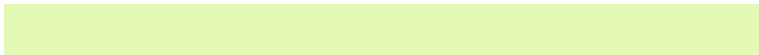
Harmonies

Analogous

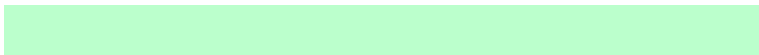
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1148, 87.5000, 50.6624



74.0073, 87.5000, 55.6364



67.7917, 87.5000, 70.7412

Triad

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



74.0073, 87.5000, 55.6364



74.0896, 87.5000, 150.5103



103.5867, 87.5000, 95.1257

Complementary

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



74.0073, 87.5000, 55.6364



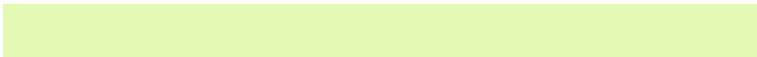
57.0418, 51.3614, 96.5347

Split Complementary

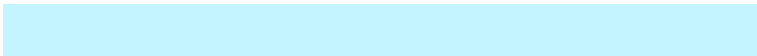
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7053, 87.5000, 124.9060



74.0073, 87.5000, 55.6364



83.2175, 87.5000, 160.4835

Square

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



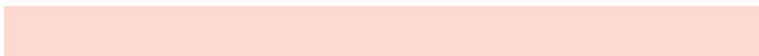
74.0073, 87.5000, 55.6364



67.8365, 87.5000, 125.2112



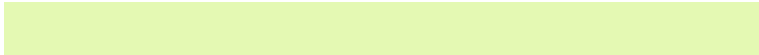
93.0510, 87.5000, 150.3110



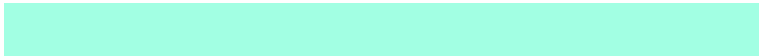
100.6470, 87.5000, 70.5326

Rectangle

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



74.0073, 87.5000, 55.6364



65.8612, 87.5000, 86.2933



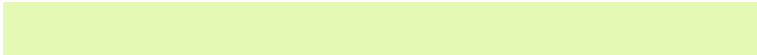
93.0510, 87.5000, 150.3110



103.2642, 87.5000, 104.8541

Sweetspot

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



74.0095, 87.5039, 55.6383



89.7214, 97.6125, 92.4069



67.8610, 64.7057, 51.5618



18.9994, 20.8011, 19.1580



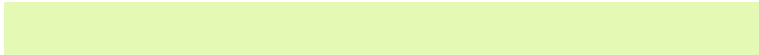
0.0000, 0.0000, 0.0000



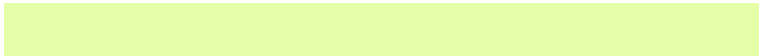
20.3446, 21.4041, 23.3091

Same Dimension

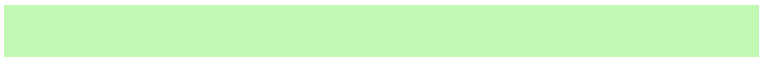
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0095, 87.5039, 55.6383



75.1641, 91.0139, 50.7984



64.0075, 82.3476, 55.1702



18.1906, 19.9141, 18.3474



27.6612, 41.1781, 6.4903



2.6689, 3.8689, 0.6061

Inverse Universe

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



57.0418, 51.3614, 96.5347



54.4372, 46.8472, 100.7810



67.4830, 56.7441, 97.0233



16.7726, 16.8954, 21.7624



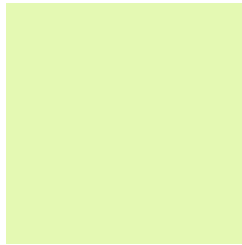
10.8186, 4.5199, 48.2758



1.1040, 0.4712, 4.4759

Previews

White Background



This preview shows how the XYZ color 74.0073, 87.5000, 55.6364 looks on a white background.

Color Contrast Check

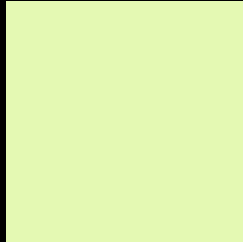
Large Text (above 18pt) WCAG AA × Fail

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 74.0073, 87.5000, 55.6364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

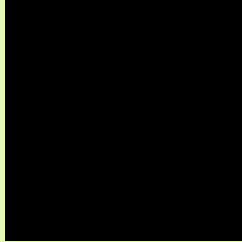
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

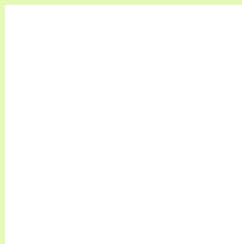
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.0073, 87.5000, 55.6364

Background



This preview shows how black text looks on a background with the XYZ color 74.0073, 87.5000, 55.6364.



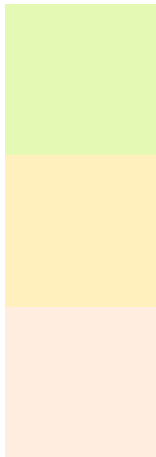
This preview shows how white text looks on a background with the XYZ color 74.0073, 87.5000,

55.6364.

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

74.0073, 87.5000, 55.6364

Protanopia

81.5854, 87.2543, 60.6859

Deuteranopia

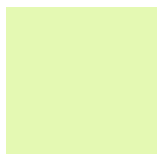
84.8435, 87.1561, 82.1631



Tritanopia

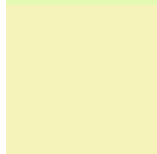
84.5131, 87.3037, 107.0047

Trichromacy



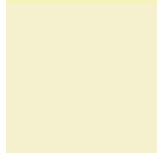
Original Color

74.0073, 87.5000, 55.6364



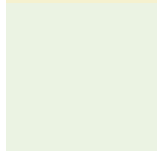
Protanomaly

78.4637, 87.0164, 58.5593



Deuteranomaly

80.3740, 86.8281, 71.5548



Tritanomaly

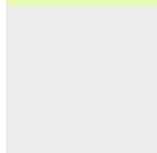
80.1767, 87.3094, 85.2997

Monochromacy



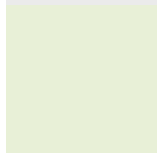
Original Color

74.0073, 87.5000, 55.6364



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.7045, 84.3823, 76.5346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.0073, 87.5000, 55.6364 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(228, 249, 179)` looks like.

```
.text, #text, p{  
    color:rgb(228, 249, 179)  
}
```

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(228, 249, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 249, 179) }
```

Border

The CSS property to change the border of an element to XYZ 74.0073, 87.5000, 55.6364 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(228, 249, 179) }
```


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

```
.border{ border-color:rgb(228, 249, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 249, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 249, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 249, 179);  
box-shadow:4px 4px 4px 4px rgb(228, 249,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 74.0073, 87.5000, 55.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 249, 179) }
```

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

```
.background{ background-color: rgb(228,  
249, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor