

Converting Colors

XYZ(74.3293, 90.8446, 38.9656)

Have a look what the booklet for
XYZ(74.3293, 90.8446, 38.9656)
contains.

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Color

**XYZ(74.1720, 90.7667,
38.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FF8D
RGB	233, 255, 141
RGB Percent	91%, 100%, 55%
CMY	0.0863, 0.0000, 0.4470
CMYK	0.09, 0.00, 0.45, 0.00
HSL	72°, 100%, 78%
HSV	72°, 45%, 100%
XYZ	74.1720, 90.7667, 38.8098
YIQ	235.4260, 23.4820, -40.1180

Conversions

Conversions Part 2

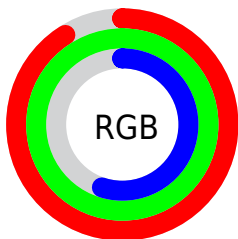
Format	Color
RYB	141, 255, 163
Decimal	15335309
CIELab	96.31, -23.78, 51.84
CIElCh	96, 57.034, 114.642
Yxy	90.7667, 0.3640, 0.4455
Android (android.graphics.Color)	4293525389 (0xFFE9FF8D)
YUV	235.4260, -46.5520, -2.1276
Hunter-Lab	95.2716, -27.7572, 42.5377

Details

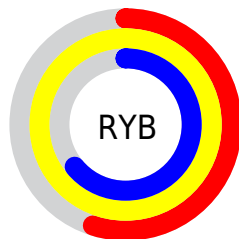
The XYZ color **74.1720, 90.7667, 38.8098** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.6803, 34.0576, 98.9320**, and the grayscale version is **79.6210, 83.7675, 91.2228**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **39.8600, 50.3229, 16.8450** is the 20% darker color. If you saturate the color by 10%, you get **70.9035, 89.2763, 29.8670**, and if you desaturate by 10%, it is **77.9226, 92.4552, 50.0576**.

Distribution



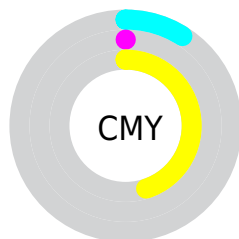
- Red (91%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (64%)



- Cyan (9%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.1720, 90.7667, 38.8098 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 74.1720, 90.7667, 38.8098 by changing the saturation by 10% instead.


 74.1720, 90.7667,
38.8098

 74.1720, 90.7667,
38.8098


464.1079,
530.5217, 356.4830

 55.2266, 68.6167,
26.3051


 124.1338,
148.4029, 74.5648

 39.8177, 50.3996,
16.8242


 155.8809,
184.6579, 98.6522

 27.5800, 35.7310,
9.9486


192.6260,
226.3834, 127.4376

 18.1482, 24.2265,
5.2597

234.7343,
273.9638, 161.3394

 11.1567, 15.5018,
2.3391

282.5713,
327.7834, 200.7764

 6.2404, 9.1723,
0.7530

336.5024,

 3.0339, 4.8537,

388.2267, 246.1669

0.0000

396.8928,
455.6780, 297.9296

■ 1.1717, 2.1617,
0.0000

■ 0.0838, 0.6990,
0.0000

■ 74.1720, 90.7667,
38.8098

■ 74.1720, 90.7667,
38.8098

■ 70.9035, 89.2763,
29.8670

■ 77.9226, 92.4552,
50.0576

■ 68.0856, 87.9713,
23.0653

■ 82.1826, 94.3526,
63.7515

■ 65.6840, 86.8378,
18.2254

■ 86.9776, 96.4693,
80.0256

■ 63.6584, 85.8598,
15.1372

■ 92.3315, 98.8148,
99.0034

■ 61.9593, 85.0175, 95.0500, 100.0000,
13.5424 108.9000

■ 61.1548, 84.6115,
13.1085

Harmonies

Analogous

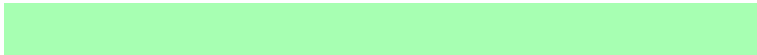
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1496, 90.7667, 34.8897



74.1720, 90.7667, 38.8098



63.7165, 90.7667, 56.4198

Triad

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



74.1720, 90.7667, 38.8098



69.8019, 90.7667, 188.5240



120.3292, 90.7667, 107.2099

Complementary

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



74.1720, 90.7667, 38.8098



42.6803, 34.0576, 98.9320

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.



113.6041, 90.7667, 158.4649



74.1720, 90.7667, 38.8098



83.4551, 90.7667, 213.7603

Square

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



74.1720, 90.7667, 38.8098



61.4184, 90.7667, 139.8937



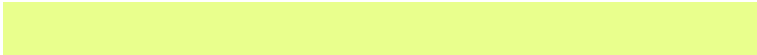
99.6190, 90.7667, 201.3461



117.0591, 90.7667, 66.7078

Rectangle

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



74.1720, 90.7667, 38.8098



60.0824, 90.7667, 77.4590



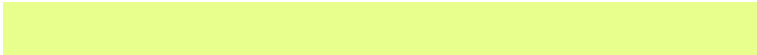
99.6190, 90.7667, 201.3461



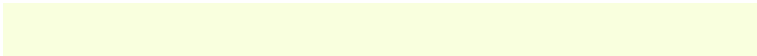
119.1402, 90.7667, 123.8082

Sweetspot

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



74.1722, 90.7668, 38.8111



87.8501, 96.8526, 83.0661



58.9512, 48.9896, 31.5495



18.5624, 20.6245, 16.9401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

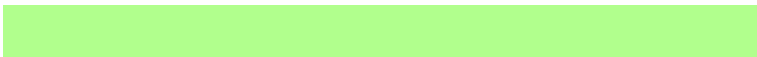
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1722, 90.7668, 38.8111



71.1186, 89.3751, 30.4250



58.7227, 82.8023, 38.0880



19.1975, 20.9032, 19.1672



32.0768, 44.2743, 6.8552



3.2072, 4.3541, 0.6714

Inverse Universe

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



42.6803, 34.0576, 98.9320



35.9260, 25.9306, 97.7193



56.7590, 41.3155, 99.5909



17.3302, 17.5464, 22.7233



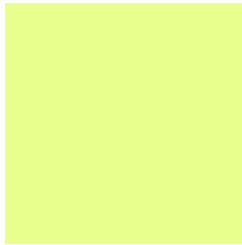
10.1912, 4.1642, 49.7012



1.0742, 0.4477, 4.8431

Previews

White Background



This preview shows how the XYZ color 74.1720, 90.7667, 38.8098 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 74.1720, 90.7667, 38.8098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

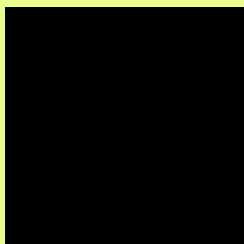
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.1720, 90.7667, 38.8098

Background



This preview shows how black text looks on a background with the XYZ color 74.1720, 90.7667, 38.8098.

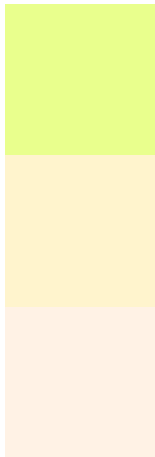


This preview shows how white text looks on a background with the XYZ color 74.1720, 90.7667,

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

74.1720, 90.7667, 38.8098

Protanopia

84.6101, 90.3691, 70.7412

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

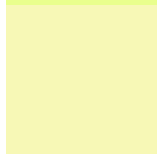
87.8082, 90.3171, 107.4127

Trichromacy



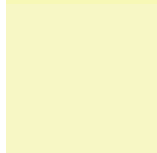
Original Color

74.1720, 90.7667, 38.8098



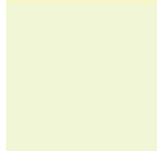
Protanomaly

80.3687, 90.2864, 57.4471



Deuteranomaly

81.6966, 90.3269, 65.9523



Tritanomaly

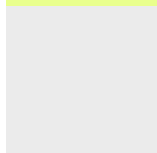
81.6740, 90.0773, 76.7003

Monochromacy



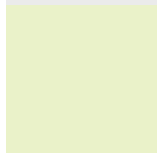
Original Color

74.1720, 90.7667, 38.8098



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2264, 85.2137, 67.6887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.1720, 90.7667, 38.8098 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(233, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 141)  
}
```

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(233, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 74.1720, 90.7667, 38.8098 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(233, 255, 141) }
```


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

```
.border{ border-color:rgb(233, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 74.1720, 90.7667, 38.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 141) }
```

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

```
.background{ background-color: rgb(233,  
255, 141) }
```

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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