

Converting Colors

XYZ(75.6519, 91.4684, 41.6448)

Have a look what the booklet for
XYZ(75.6519, 91.4684, 41.6448)
contains.

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Color

**XYZ(75.6974, 91.4910,
41.6868)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFF94
RGB	236, 255, 148
RGB Percent	93%, 100%, 58%
CMY	0.0745, 0.0000, 0.4196
CMYK	0.07, 0.00, 0.42, 0.00
HSL	71°, 100%, 79%
HSV	71°, 42%, 100%
XYZ	75.6974, 91.4910, 41.6868
YIQ	237.1210, 23.0230, -37.3050

Conversions

Conversions Part 2

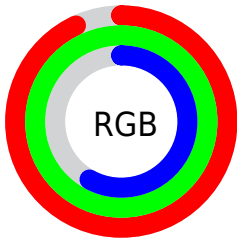
Format	Color
RYB	148, 255, 167
Decimal	15531924
CIELab	96.61, -21.93, 48.93
CIELCh	97, 53.622, 114.141
Yxy	91.4910, 0.3624, 0.4380
Android (android.graphics.Color)	4293722004 (0xFFECCFF94)
YUV	237.1210, -43.9367, -0.9831
Hunter-Lab	95.6509, -26.1256, 41.1157

Details

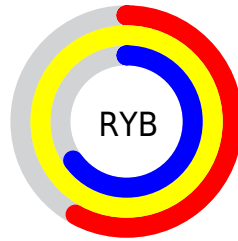
The XYZ color **75.6974, 91.4910, 41.6868** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.5773, 36.6165, 99.3260**, and the grayscale version is **80.9041, 85.1174, 92.6928**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **40.8500, 50.7981, 18.4785** is the 20% darker color. If you saturate the color by 10%, you get **72.4117, 90.0052, 32.1324**, and if you desaturate by 10%, it is **79.4664, 93.1745, 53.5870**.

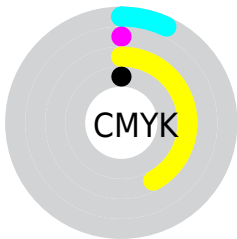
Distribution



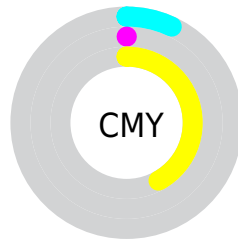
- Red (93%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6974, 91.4910, 41.6868 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 75.6974, 91.4910, 41.6868 by changing the saturation by 10% instead.

75.6974, 91.4910,
41.6868

75.6974, 91.4910,
41.6868

469.2715,
532.8692, 368.9442

56.4806, 69.2179,
28.5324

126.2817,
149.4077, 78.9904

40.8269, 50.8892,
18.4848

158.3799,
185.8202, 103.9766

28.3709, 36.1205,
11.1256

195.5027,
227.7146, 133.7438

18.7473, 24.5272,
6.0361

238.0153,
275.4753, 168.7106

11.5908, 15.7252,
2.7979

286.2831,
329.4867, 209.2955

6.5359, 9.3299,
0.9924

340.6715,

3.2173, 4.9570,

390.1332, 255.9171

0.0000

401.5459,
457.7992, 308.9938

■ 1.2697, 2.2220,
0.0000

■ 0.1604, 0.7320,
0.0000

■ 75.6974, 91.4910,
41.6868

■ 75.6974, 91.4910,
41.6868

■ 72.4117, 90.0052,
32.1324

■ 79.4664, 93.1745,
53.5870

■ 69.5786, 88.7049,
24.7646

■ 83.7450, 95.0663,
67.9704

■ 67.1652, 87.5767,
19.4102

■ 88.5585, 97.1765,
84.9686

■ 65.1330, 86.6054,
15.8687

■ 93.9301, 99.5144,
104.7025

■ 63.4357, 85.7723, 95.0500, 100.0000,
13.8978 108.9000

■ 62.2583, 85.1804,
13.1601

Harmonies

Analogous

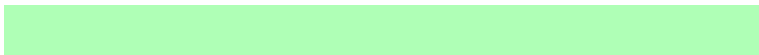
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9349, 91.4910, 38.0038



75.6974, 91.4910, 41.6868



65.6312, 91.4910, 58.6684

Triad

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



75.6974, 91.4910, 41.6868



71.1459, 91.4910, 182.6008



118.8945, 91.4910, 108.2841

Complementary

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



75.6974, 91.4910, 41.6868



44.5773, 36.6165, 99.3260

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.



112.4701, 91.4910, 156.2126



75.6974, 91.4910, 41.6868



84.0504, 91.4910, 206.3475

Square

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



75.6974, 91.4910, 41.6868



63.2224, 91.4910, 137.3302



99.2865, 91.4910, 195.5141



115.9990, 91.4910, 69.5315

Rectangle

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



75.6974, 91.4910, 41.6868



62.0785, 91.4910, 78.7220



99.2865, 91.4910, 195.5141



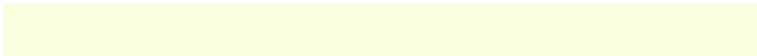
117.7324, 91.4910, 123.9190

Sweetspot

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



75.6976, 91.4911, 41.6881



88.0321, 96.9465, 83.0746



60.1919, 50.6110, 34.6146



18.6077, 20.6478, 16.9422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

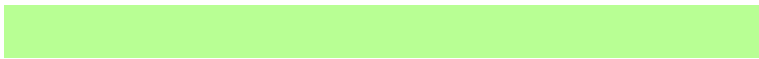
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6976, 91.4911, 41.6881



73.0189, 90.2814, 33.8275



60.7934, 83.8077, 40.9906



19.2262, 20.9180, 19.1686



32.6465, 44.5679, 6.8818



3.2577, 4.3802, 0.6738

Inverse Universe

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



44.5773, 36.6165, 99.3260



38.3077, 29.0256, 98.1912



57.9545, 43.5127, 99.9520



17.3037, 17.5328, 22.7221



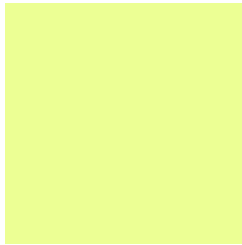
10.0899, 4.1120, 49.6965



1.0606, 0.4407, 4.8424

Previews

White Background



This preview shows how the XYZ color 75.6974, 91.4910, 41.6868 looks on a white background.

Color Contrast Check

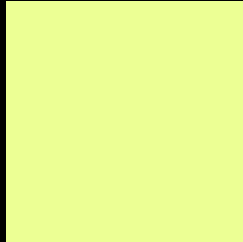
Large Text (above 18pt) WCAG AA × Fail

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 75.6974, 91.4910, 41.6868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

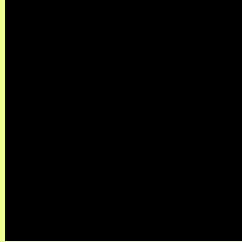
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

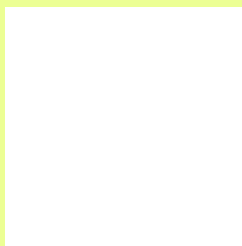
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6974, 91.4910, 41.6868

Background



This preview shows how black text looks on a background with the XYZ color 75.6974, 91.4910, 41.6868.



This preview shows how white text looks on a background with the XYZ color 75.6974, 91.4910,

Color Blindness Simulation

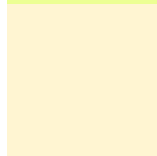
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



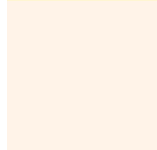
Original Color

75.6974, 91.4910, 41.6868



Protanopia

85.5253, 91.2180, 74.0719



Deuteranopia

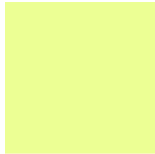
87.8561, 91.1874, 89.3143



Tritanopia

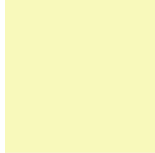
88.8120, 91.2776, 107.5452

Trichromacy



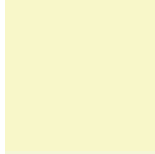
Original Color

75.6974, 91.4910, 41.6868



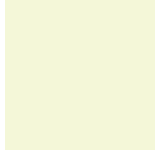
Protanomaly

81.5567, 91.2957, 60.3370



Deuteranomaly

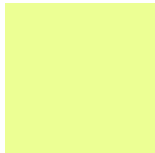
82.5148, 90.6950, 68.4152



Tritanomaly

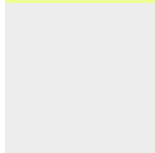
82.9637, 90.7125, 78.1024

Monochromacy



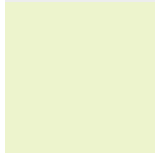
Original Color

75.6974, 91.4910, 41.6868



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2952, 87.1137, 70.4456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6974, 91.4910, 41.6868 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(236, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 148)  
}
```

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(236, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 75.6974, 91.4910, 41.6868 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(236, 255, 148) }
```


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

```
.border{ border-color:rgb(236, 255, 148) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6974, 91.4910, 41.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 148) }
```

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

```
.background{ background-color: rgb(236,  
255, 148) }
```

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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