

Converting Colors

XYZ(101.8549, 145.4357,
42.9203)

Have a look what the booklet for
XYZ(101.8549, 145.4357, 42.9203)
contains.

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Color

**XYZ(74.8507, 91.2294,
33.7427)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFF7F
RGB	238, 255, 127
RGB Percent	93%, 100%, 50%
CMY	0.0667, 0.0000, 0.5019
CMYK	0.07, 0.00, 0.50, 0.00
HSL	68°, 100%, 75%
HSV	68°, 50%, 100%
XYZ	74.8507, 91.2294, 33.7427
YIQ	235.3250, 30.9560, -43.4120

Conversions

Conversions Part 2

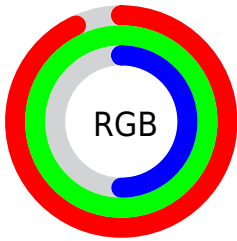
Format	Color
R_{YB}	127, 255, 144
Decimal	15662975
CIE _{Lab}	96.50, -23.20, 58.63
CIE _{LCh}	97, 63.054, 111.590
Yxy	91.2294, 0.3746, 0.4566
Android (android.graphics.Color)	4293853055 (0xFFEEFF7F)
YUV	235.3250, -53.4042, 2.3460
Hunter-Lab	95.5141, -27.2661, 45.9142

Details

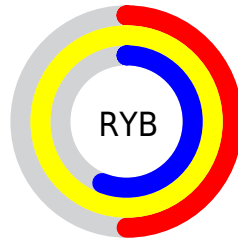
The XYZ color **74.8507, 91.2294, 33.7427** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **37.1421, 28.3293, 98.1182**, and the grayscale version is **79.5905, 83.7354, 91.1878**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **40.2191, 50.5725, 13.9450** is the 20% darker color. If you saturate the color by 10%, you get **72.2671, 90.0659, 26.0173**, and if you desaturate by 10%, it is **77.8767, 92.5725, 43.6863**.

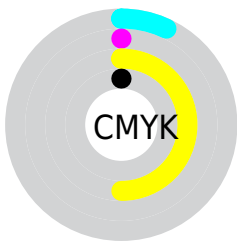
Distribution



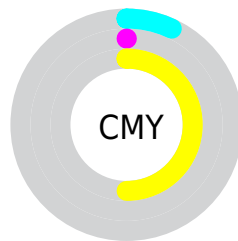
- Red (93%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (56%)



- Cyan (7%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8507, 91.2294, 33.7427 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 74.8507, 91.2294, 33.7427 by changing the saturation by 10% instead.


 74.8507, 91.2294,
33.7427

 74.8507, 91.2294,
33.7427


466.4093,
532.0220, 333.7173


 55.7843, 69.0008,
22.4202


 125.0900,
149.0449, 66.6627

 40.2664, 50.7123,
13.9648


 156.9937,
185.4006, 89.0972

 27.9314, 35.9797,
7.9577


 193.9072,
227.2340, 116.0730

 18.4142, 24.4185,
3.9805

236.1959,
274.9297, 148.0083

 11.3492, 15.6444,
1.6147

284.2251,
328.8719, 185.3219

 6.3713, 9.2729,
0.3012

338.3601,

 3.1149, 4.9196,

389.4451, 228.4322

0.0000

398.9664,
457.0336, 277.7579

■ 1.2148, 2.2002,
0.0000

■ 0.1180, 0.7201,
0.0000

■ 74.8507, 91.2294,
33.7427

■ 74.8507, 91.2294,
33.7427

■ 72.2671, 90.0659,
26.0173

■ 77.8767, 92.5725,
43.6863

■ 70.0927, 89.0685,
20.3358

■ 81.3735, 94.1063,
55.9969

■ 68.2907, 88.2224,
16.5042

■ 85.3679, 95.8417,
70.8151

■ 66.8165, 87.5099,
14.2894

■ 89.8845, 97.7884,
88.2691

■ 65.6189, 86.9128,
13.3174

94.9459, 99.9556,
108.4786

95.0500, 100.0000,
108.9000

Harmonies

Analogous

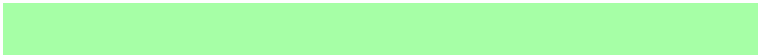
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7522, 91.2294, 31.0178



74.8507, 91.2294, 33.7427



62.8155, 91.2294, 50.4864

Triad

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



74.8507, 91.2294, 33.7427



67.3485, 91.2294, 196.2150



124.6595, 91.2294, 114.1847

Complementary

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



74.8507, 91.2294, 33.7427



37.1421, 28.3293, 98.1182

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.



116.0070, 91.2294, 172.4889



74.8507, 91.2294, 33.7427



81.8575, 91.2294, 229.2793

Square

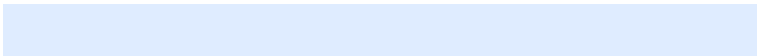
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8507, 91.2294, 33.7427



58.9092, 91.2294, 139.4116



99.7619, 91.2294, 219.3743



122.1174, 91.2294, 67.7822

Rectangle

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



74.8507, 91.2294, 33.7427



58.4144, 91.2294, 71.7741



99.7619, 91.2294, 219.3743



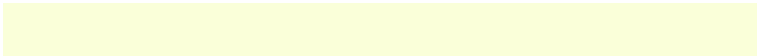
122.9259, 91.2294, 133.1736

Sweetspot

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



74.8509, 91.2295, 33.7439



87.6475, 96.8259, 79.5450



54.7346, 42.1196, 25.3250



18.5585, 20.6377, 16.2490



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

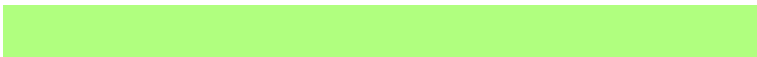
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8509, 91.2295, 33.7439



72.3133, 90.0869, 26.1476



57.5111, 82.2906, 32.9325



19.3099, 20.9612, 19.1725



34.3796, 45.4614, 6.9629



3.4104, 4.4589, 0.6809

Inverse Universe

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



37.1421, 28.3293, 98.1182



30.8729, 20.8838, 97.0115



51.0753, 35.5122, 98.7703



17.2273, 17.4934, 22.7185



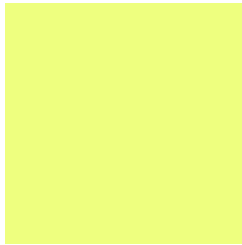
9.8424, 3.9844, 49.6849



1.0243, 0.4220, 4.8407

Previews

White Background



This preview shows how the XYZ color 74.8507, 91.2294, 33.7427 looks on a white background.

Color Contrast Check

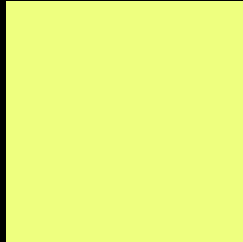
Large Text (above 18pt) WCAG AA × Fail

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 74.8507, 91.2294, 33.7427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

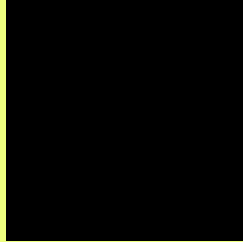
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.8507, 91.2294, 33.7427

Background



This preview shows how black text looks on a background with the XYZ color 74.8507, 91.2294, 33.7427.

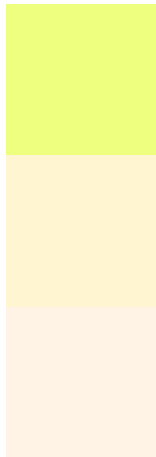


This preview shows how white text looks on a background with the XYZ color 74.8507, 91.2294,

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

74.8507, 91.2294, 33.7427

Protanopia

85.2776, 91.1189, 72.7676

Deuteranopia

87.5735, 91.0744, 87.8264



Tritanopia

89.2265, 91.0483, 107.4791

Trichromacy



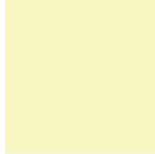
Original Color

74.8507, 91.2294, 33.7427



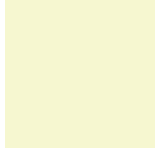
Protanomaly

81.0793, 91.1458, 55.9674



Deuteranomaly

81.9533, 90.5115, 63.6031



Tritanomaly

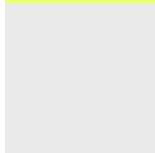
82.6520, 90.6684, 72.8190

Monochromacy



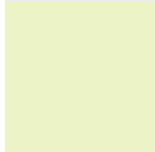
Original Color

74.8507, 91.2294, 33.7427



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3080, 85.3227, 64.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8507, 91.2294, 33.7427 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(238, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 127)  
}
```

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(238, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 127) }
```

Border

The CSS property to change the border of an element to XYZ 74.8507, 91.2294, 33.7427 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(238, 255, 127) }
```


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

```
.border{ border-color:rgb(238, 255, 127) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8507, 91.2294, 33.7427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 127) }
```

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

```
.background{ background-color: rgb(238,  
255, 127) }
```

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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