

Converting Colors

XYZ(75.1765, 91.3937, 33.9255)

Have a look what the booklet for
XYZ(75.1765, 91.3937, 33.9255)
contains.

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Color

**XYZ(75.1874, 91.4030,
33.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF7F
RGB	239, 255, 127
RGB Percent	94%, 100%, 50%
CMY	0.0627, 0.0000, 0.5019
CMYK	0.06, 0.00, 0.50, 0.00
HSL	68°, 100%, 75%
HSV	68°, 50%, 100%
XYZ	75.1874, 91.4030, 33.7584
YIQ	235.6240, 31.5520, -43.2000

Conversions

Conversions Part 2

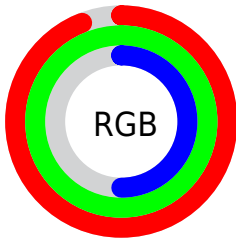
Format	Color
RYB	127, 255, 143
Decimal	15728511
CIELab	96.58, -22.82, 58.73
CIElCh	97, 63.009, 111.232
Yxy	91.4030, 0.3753, 0.4562
Android (android.graphics.Color)	4293918591 (0xFFEFFF7F)
YUV	235.6240, -53.5516, 2.9608
Hunter-Lab	95.6049, -26.9293, 45.9880

Details

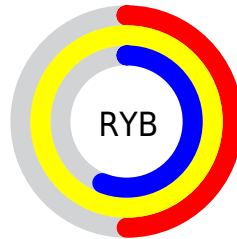
The XYZ color **75.1874, 91.4030, 33.7584** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **36.9681, 28.2396, 98.1101**, and the grayscale version is **79.8200, 83.9768, 91.4508**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **40.4527, 50.6930, 13.9560** is the 20% darker color. If you saturate the color by 10%, you get **72.6635, 90.2702, 26.0358**, and if you desaturate by 10%, it is **78.1512, 92.7140, 43.6990**.

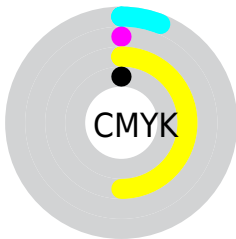
Distribution



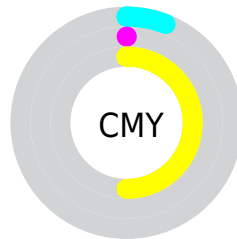
- Red (94%)
- Green (100%)
- Blue (50%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.1874, 91.4030, 33.7584 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 75.1874, 91.4030, 33.7584 by changing the saturation by 10% instead.


 75.1874, 91.4030,
33.7584

 75.1874, 91.4030,
33.7584


467.5487,
532.5843, 333.7896


 56.0611, 69.1449,
22.4322


 125.5641,
149.2857, 66.6874

 40.4891, 50.8297,
13.9735


 157.5452,
185.6791, 89.1272

 28.1060, 36.0731,
7.9637

 194.5421,
227.5530, 116.1087

 18.5465, 24.4907,
3.9843

236.9199,
275.2918, 148.0504

 11.4451, 15.6980,
1.6167

285.0441,
329.2799, 185.3708

 6.4365, 9.3107,
0.3027

339.2801,

 3.1555, 4.9444,

389.9018, 228.4884

0.0000

399.9932,
457.5418, 277.8219

■ 1.2365, 2.2147,
0.0000

■ 0.1349, 0.7280,
0.0000

■ 75.1874, 91.4030,
33.7584

■ 75.1874, 91.4030,
33.7584

■ 72.6635, 90.2702,
26.0358

■ 78.1512, 92.7140,
43.6990

■ 70.5465, 89.3024,
20.3570

■ 81.5834, 94.2145,
56.0067

■ 68.7994, 88.4847,
16.5280

■ 85.5108, 95.9153,
70.8216

■ 67.3778, 87.7993,
14.3157

■ 89.9579, 97.8262,
88.2724

■ 66.2296, 87.2277,
13.3460

94.9473, 99.9563,
108.4785

95.0500, 100.0000,
108.9000

Harmonies

Analogous

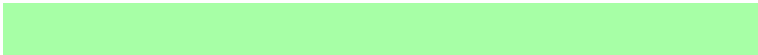
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1376, 91.4030, 31.1783



75.1874, 91.4030, 33.7584



63.0706, 91.4030, 50.3327

Triad

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



75.1874, 91.4030, 33.7584



67.3608, 91.4030, 195.8318



124.7988, 91.4030, 115.0406

Complementary

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



75.1874, 91.4030, 33.7584



36.9681, 28.2396, 98.1101

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.



116.0239, 91.4030, 173.3853



75.1874, 91.4030, 33.7584



81.8183, 91.4030, 229.3312

Square

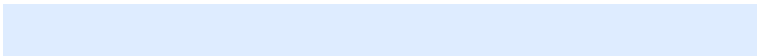
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1874, 91.4030, 33.7584



58.9944, 91.4030, 138.9096



99.7168, 91.4030, 219.9609



122.3935, 91.4030, 68.3875

Rectangle

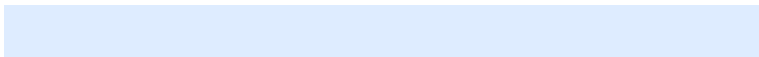
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1874, 91.4030, 33.7584



58.6109, 91.4030, 71.4818



99.7168, 91.4030, 219.9609



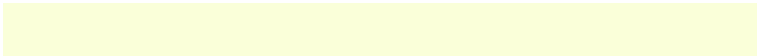
123.0199, 91.4030, 134.0771

Sweetspot

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



75.1876, 91.4031, 33.7596



87.7546, 96.8812, 79.5501



54.7345, 42.1195, 25.3249



18.5845, 20.6512, 16.2502



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

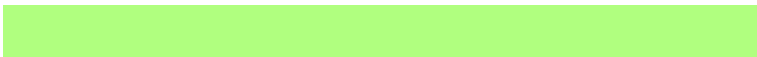
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1876, 91.4031, 33.7596



72.7086, 90.2907, 26.1661



57.5111, 82.2905, 32.9324



19.3246, 20.9688, 19.1732



34.6943, 45.6236, 6.9777



3.4380, 4.4731, 0.6822

Inverse Universe

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



36.9681, 28.2396, 98.1101



30.7041, 20.7968, 97.0036



51.0753, 35.5121, 98.7703



17.2140, 17.4865, 22.7179



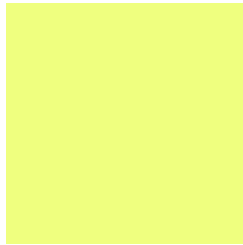
9.8060, 3.9657, 49.6832



1.0181, 0.4187, 4.8404

Previews

White Background



This preview shows how the XYZ color 75.1874, 91.4030, 33.7584 looks on a white background.

Color Contrast Check

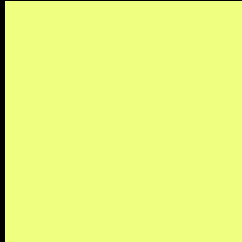
Large Text (above 18pt) WCAG AA × Fail

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 75.1874, 91.4030, 33.7584 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 75.1874, 91.4030, 33.7584

Background



This preview shows how black text looks on a background with the XYZ color 75.1874, 91.4030, 33.7584.



This preview shows how white text looks on a background with the XYZ color 75.1874, 91.4030,

Color Blindness Simulation

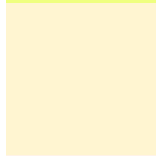
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



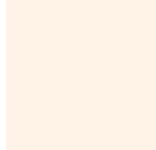
Original Color

75.1874, 91.4030, 33.7584



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

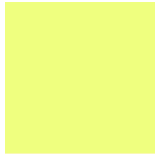
87.7144, 91.1307, 88.5682



Tritanopia

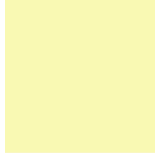
89.5858, 91.2335, 107.4959

Trichromacy



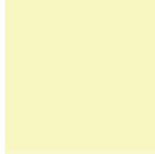
Original Color

75.1874, 91.4030, 33.7584



Protanomaly

81.0793, 91.1458, 55.9674



Deuteranomaly

81.9533, 90.5115, 63.6031



Tritanomaly

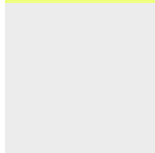
83.0037, 90.8498, 72.8355

Monochromacy



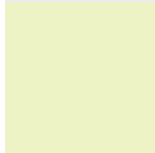
Original Color

75.1874, 91.4030, 33.7584



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

76.9394, 86.0912, 64.7867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1874, 91.4030, 33.7584 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, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 127) }
```

Border

The CSS property to change the border of an element to XYZ 75.1874, 91.4030, 33.7584 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, 255, 127) }
```


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

```
.border{ border-color:rgb(239, 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(239, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1874, 91.4030, 33.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 127) }
```

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

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