

Converting Colors

XYZ(106.9532, 100.0000,
33.7725)

Have a look what the booklet for
XYZ(106.9532, 100.0000, 33.7725)
contains.

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Color

**XYZ(75.6453, 83.9414,
32.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE7F
RGB	255, 238, 127
RGB Percent	100%, 93%, 50%
CMY	0.0000, 0.0666, 0.5019
CMYK	0.00, 0.07, 0.50, 0.00
HSL	52°, 100%, 75%
HSV	52°, 50%, 100%
XYZ	75.6453, 83.9414, 32.2940
YIQ	230.4290, 45.7630, -30.9170

Conversions

Conversions Part 2

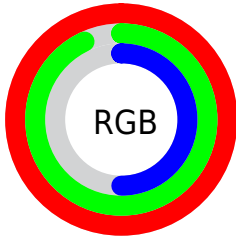
Format	Color
R_{YB}	147, 255, 127
Decimal	16772735
CIE Lab	93.43, -8.30, 55.29
CIE LCh	93, 55.906, 98.538
Yxy	83.9414, 0.3942, 0.4375
Android (android.graphics.Color)	4294962815 (0xFFFFEE7F)
YUV	230.4290, -50.9905, 21.5488
Hunter-Lab	91.6195, -12.9564, 43.2352

Details

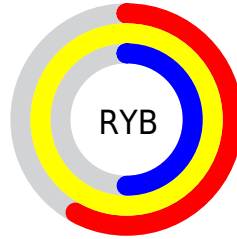
The XYZ color **75.6453, 83.9414, 32.2940** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.7754, 31.6775, 98.7835**, and the grayscale version is **75.8760, 79.8275, 86.9321**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **40.7289, 45.6861, 13.1502** is the 20% darker color. If you saturate the color by 10%, you get **73.2136, 81.4095, 24.2964**, and if you desaturate by 10%, it is **78.5201, 86.6864, 42.5159**.

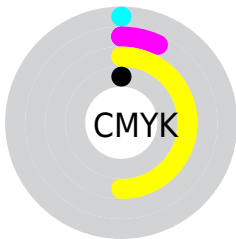
Distribution



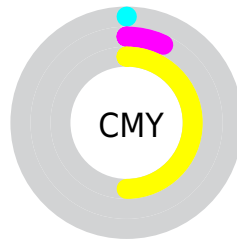
- Red (100%)
- Green (93%)
- Blue (50%)



- Red (58%)
- Yellow (100%)
- Blue (50%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6453, 83.9414, 32.2940 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 75.6453, 83.9414, 32.2940 by changing the saturation by 10% instead.


 75.6453, 83.9414,
32.2940

 75.6453, 83.9414,
32.2940


469.0957,
508.1186, 326.9902


 56.4377, 62.9671,
21.3195


 126.2084,
138.8932, 64.3750

 40.7924, 45.8146,
13.1642


 158.2947,
173.6394, 86.3185

 28.3438, 32.0995,
7.4097


 195.4046,
213.7451, 112.7554

 18.7268, 21.4375,
3.6373

237.9034,
259.5946, 144.1043

 11.5759, 13.4442,
1.4286

286.1566,
311.5723, 180.7837

 6.5257, 7.7351,
0.1638

340.5295,

 3.2110, 3.9259,

370.0626, 223.2121

0.0000

401.3874,
435.4499, 271.8081

■ 1.2663, 1.6322,
0.0000

■ 0.1578, 0.3792,
0.0000

■ 75.6453, 83.9414,
32.2940

■ 75.6453, 83.9414,
32.2940

■ 73.2136, 81.4095,
24.2964

■ 78.5201, 86.6864,
42.5159

■ 71.1865, 79.0658,
18.3473

■ 81.8612, 89.6447,
55.1096

■ 69.5288, 76.8992,
14.2533

■ 85.6969, 92.8307,
70.2160

■ 68.1962, 74.8918,
11.7811

■ 90.0518, 96.2546,
87.9636

■ 67.1348, 73.0498,
10.5616

94.9487, 99.9256,
108.4719

95.0499, 99.9999,
108.9000

Harmonies

Analogous

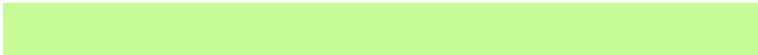
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6205, 83.9414, 34.7178



75.6453, 83.9414, 32.2940



63.3812, 83.9414, 41.4372

Triad

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



75.6453, 83.9414, 32.2940



59.5867, 83.9414, 151.9409



109.2065, 83.9414, 124.4650

Complementary

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



75.6453, 83.9414, 32.2940



36.7754, 31.6775, 98.7835

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.



98.7970, 83.9414, 170.8195



75.6453, 83.9414, 32.2940



69.8474, 83.9414, 189.7846

Square

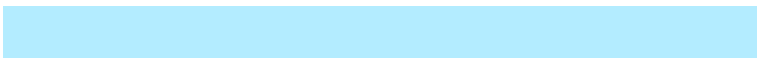
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6453, 83.9414, 32.2940



54.8881, 83.9414, 103.9998



84.0705, 83.9414, 197.5930



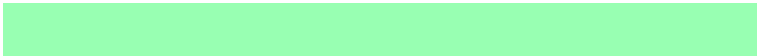
111.2566, 83.9414, 79.8575

Rectangle

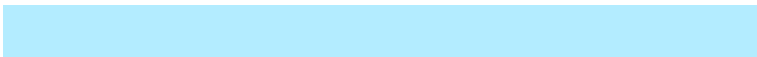
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6453, 83.9414, 32.2940



57.9485, 83.9414, 55.2117



84.0705, 83.9414, 197.5930



106.5124, 83.9414, 140.7013

Sweetspot

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



75.6473, 83.9453, 32.2957



87.8932, 94.5794, 79.0985



53.8689, 38.4552, 30.9967



18.6184, 20.0904, 16.1402



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.



75.6473, 83.9453, 32.2957



73.2573, 81.4573, 24.4321



65.6222, 86.4718, 33.3118



19.3434, 20.6550, 19.1116



35.1595, 38.3302, 5.5454



3.4780, 3.8413, 0.5581

Inverse Universe

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



36.7754, 31.6775, 98.7835



30.5274, 24.0407, 97.6391



43.0808, 31.3907, 98.3958



17.1974, 17.7664, 22.7728



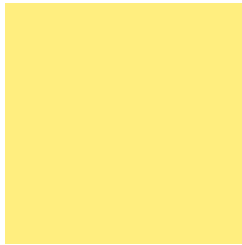
9.7875, 4.4847, 49.7844



1.0102, 0.5511, 4.8664

Previews

White Background



This preview shows how the XYZ color 75.6453, 83.9414, 32.2940 looks on a white background.

Color Contrast Check

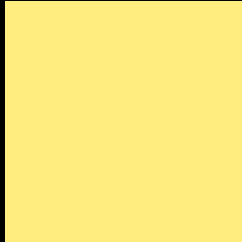
Large Text (above 18pt) WCAG AA × Fail

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 75.6453, 83.9414, 32.2940 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 75.6453, 83.9414, 32.2940

Background



This preview shows how black text looks on a background with the XYZ color 75.6453, 83.9414, 32.2940.

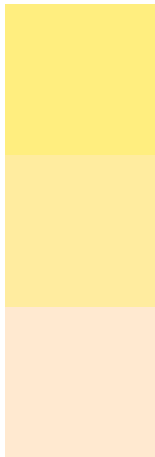


This preview shows how white text looks on a background with the XYZ color 75.6453, 83.9414,

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

75.6453, 83.9414, 32.2940

Protanopia

77.4935, 83.7541, 44.8827

Deuteranopia

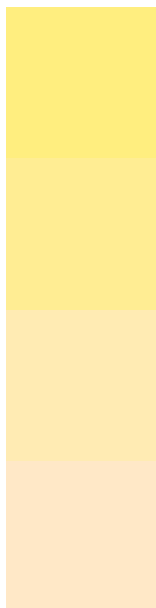
81.7641, 84.0919, 71.5964



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

75.6453, 83.9414, 32.2940

Protanomaly

76.7906, 83.9350, 39.7575

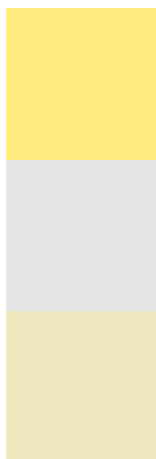
Deuteranomaly

79.0850, 83.9313, 54.6800

Tritanomaly

80.4054, 83.0967, 65.8343

Monochromacy



Original Color

75.6453, 83.9414, 32.2940

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.3612, 80.4788, 62.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6453, 83.9414, 32.2940 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(255, 238, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 127) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 75.6453, 83.9414, 32.2940 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(255, 238, 127) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 75.6453, 83.9414, 32.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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