

Converting Colors

XYZ(107.8064, 100.0000,
33.7907)

Have a look what the booklet for
XYZ(107.8064, 100.0000, 33.7907)
contains.

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Color

**XYZ(75.3550, 83.3607,
32.1973)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED7F
RGB	255, 237, 127
RGB Percent	100%, 93%, 50%
CMY	0.0000, 0.0706, 0.5019
CMYK	0.00, 0.07, 0.50, 0.00
HSL	52°, 100%, 75%
HSV	52°, 50%, 100%
XYZ	75.3550, 83.3607, 32.1973
YIQ	229.8420, 46.0380, -30.3940

Conversions

Conversions Part 2

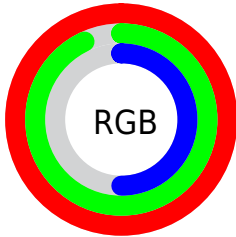
Format	Color
RYB	148, 255, 127
Decimal	16772479
CIELab	93.17, -7.80, 54.98
CIELCh	93, 55.534, 98.078
Yxy	83.3607, 0.3947, 0.4366
Android (android.graphics.Color)	4294962559 (0xFFFFE7F)
YUV	229.8420, -50.7011, 22.0636
Hunter-Lab	91.3021, -12.4560, 43.0031

Details

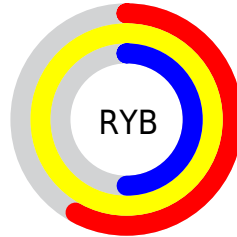
The XYZ color **75.3550, 83.3607, 32.1973** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9277, 31.9819, 98.8344**, and the grayscale version is **75.4381, 79.3668, 86.4304**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **40.5249, 45.2779, 13.0822** is the 20% darker color. If you saturate the color by 10%, you get **72.8721, 80.7265, 24.1826**, and if you desaturate by 10%, it is **78.2832, 86.2124, 42.4370**.

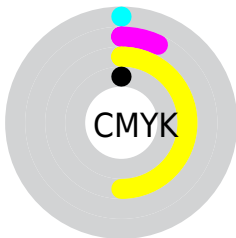
Distribution



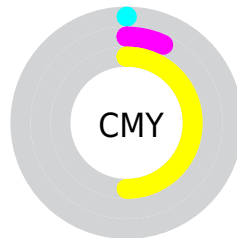
- Red (100%)
- Green (93%)
- Blue (50%)



- 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 75.3550, 83.3607, 32.1973 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 75.3550, 83.3607, 32.1973 by changing the saturation by 10% instead.


 75.3550, 83.3607,
32.1973


 75.3550, 83.3607,
32.1973


468.1153,
506.1879, 326.5374


 56.1990, 62.4878,
21.2462


 125.8000,
138.0805, 64.2218

 40.6001, 45.4269,
13.1111


 157.8196,
172.6962, 86.1322

 28.1930, 31.7938,
7.3735


 194.8579,
212.6616, 112.5328

 18.6124, 21.2041,
3.6148

237.2800,
258.3611, 143.8421

 11.4929, 13.2733,
1.4165

285.4515,
310.1791, 180.4787

 6.4691, 7.6170,
0.1545

339.7376,

 3.1757, 3.8509,

368.4999, 222.8611

0.0000

400.5038,
433.7080, 271.4078

■ 1.2474, 1.5905,
0.0000

■ 0.1433, 0.3512,
0.0000

■ 75.3550, 83.3607,
32.1973

■ 75.3550, 83.3607,
32.1973

■ 72.8721, 80.7265,
24.1826

■ 78.2832, 86.2124,
42.4370

■ 70.7961, 78.2850,
18.2172

■ 81.6798, 89.2818,
55.0493

■ 69.0917, 76.0249,
14.1076

■ 85.5733, 92.5835,
70.1750

■ 67.7145, 73.9283,
11.6205

■ 89.9883, 96.1276,
87.9426

■ 66.6114, 72.0030,
10.3872

94.9476, 99.9233,
108.4717

95.0499, 100.0000,
108.9000

Harmonies

Analogous

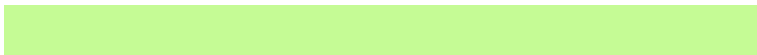
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1729, 83.3607, 34.7746



75.3550, 83.3607, 32.1973



63.1601, 83.3607, 41.0761

Triad

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



75.3550, 83.3607, 32.1973



59.1382, 83.3607, 149.8750



108.2082, 83.3607, 124.1843

Complementary

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



75.3550, 83.3607, 32.1973



36.9277, 31.9819, 98.8344

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.



97.8220, 83.3607, 169.8292



75.3550, 83.3607, 32.1973



69.2136, 83.3607, 187.5542

Square

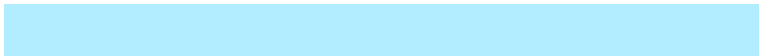
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3550, 83.3607, 32.1973



54.5773, 83.3607, 102.5293



83.2394, 83.3607, 195.8031



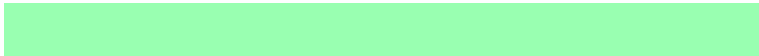
110.3766, 83.3607, 79.9380

Rectangle

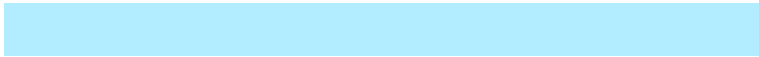
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3550, 83.3607, 32.1973



57.7278, 83.3607, 54.5684



83.2394, 83.3607, 195.8031



105.5057, 83.3607, 140.2170

Sweetspot

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



75.3570, 83.3646, 32.1990



87.8005, 94.3939, 79.0675



54.0338, 38.5212, 31.8643



18.5958, 20.0452, 16.1327



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

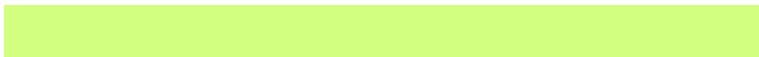
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3570, 83.3646, 32.1990



72.9167, 80.7761, 24.3186



66.2265, 86.7834, 33.3401



19.3307, 20.6296, 19.1074



34.8897, 37.7906, 5.4554



3.4543, 3.7939, 0.5502

Inverse Universe

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



36.9277, 31.9819, 98.8344



30.6756, 24.3370, 97.6885



42.6096, 31.1478, 98.3739



17.2089, 17.7895, 22.7767



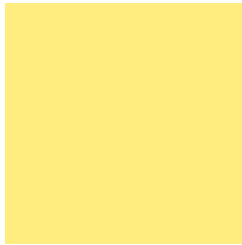
9.8208, 4.5512, 49.7954



1.0156, 0.5619, 4.8682

Previews

White Background



This preview shows how the XYZ color 75.3550, 83.3607, 32.1973 looks on a white background.

Color Contrast Check

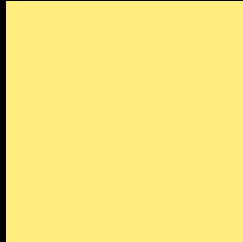
Large Text (above 18pt) WCAG AA × Fail

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 75.3550, 83.3607, 32.1973 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 75.3550, 83.3607, 32.1973

Background



This preview shows how black text looks on a background with the XYZ color 75.3550, 83.3607, 32.1973.

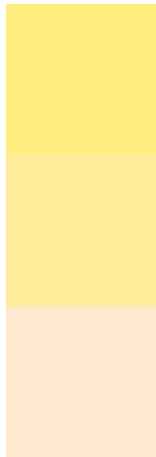


This preview shows how white text looks on a background with the XYZ color 75.3550, 83.3607,

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

75.3550, 83.3607, 32.1973

Protanopia

77.0682, 83.5840, 42.6432

Deuteranopia

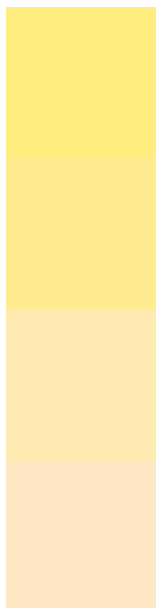
81.2372, 83.4295, 70.2144



Tritanopia

84.5634, 82.9788, 93.2209

Trichromacy



Original Color

75.3550, 83.3607, 32.1973

Protanomaly

76.2695, 83.2645, 38.4374

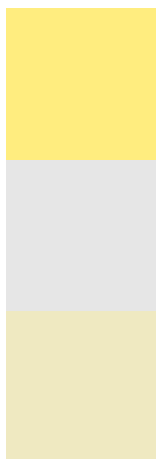
Deuteranomaly

78.5986, 83.2800, 53.5270

Tritanomaly

80.0090, 82.4890, 65.1311

Monochromacy



Original Color

75.3550, 83.3607, 32.1973

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 75.3550, 83.3607, 32.1973 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, 237, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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, 237, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 127) }
```

Border

The CSS property to change the border of an element to XYZ 75.3550, 83.3607, 32.1973 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, 237, 127) }
```


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

```
.border{ border-color:rgb(255, 237, 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, 237, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 237, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 237, 127); box-shadow:4px 4px 4px 4px rgb(255, 237, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3550, 83.3607, 32.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 127) }
```

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

```
.background{ background-color: rgb(255,  
237, 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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