

Converting Colors

XYZ(79.1272, 85.2264, 30.6215)

Have a look what the booklet for
XYZ(79.1272, 85.2264, 30.6215)
contains.

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Color

**XYZ(75.0370, 83.2335,
30.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED7A
RGB	255, 237, 122
RGB Percent	100%, 93%, 48%
CMY	0.0000, 0.0706, 0.5216
CMYK	0.00, 0.07, 0.52, 0.00
HSL	52°, 100%, 74%
HSV	52°, 52%, 100%
XYZ	75.0370, 83.2335, 30.5232
YIQ	229.2720, 47.6430, -31.9490

Conversions

Conversions Part 2

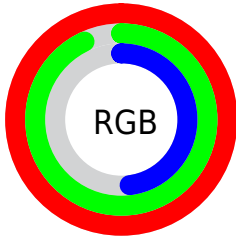
Format	Color
RYB	143, 255, 122
Decimal	16772474
CIELab	93.12, -8.22, 57.24
CIELCh	93, 57.825, 98.169
Yxy	83.2335, 0.3975, 0.4409
Android (android.graphics.Color)	4294962554 (0xFFFFE7A)
YUV	229.2720, -52.8851, 22.5635
Hunter-Lab	91.2324, -12.8437, 44.0263

Details

The XYZ color **75.0370, 83.2335, 30.5232** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.4539, 30.1128, 98.5510**, and the grayscale version is **75.0312, 78.9386, 85.9641**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **40.3630, 45.2132, 12.2299** is the 20% darker color. If you saturate the color by 10%, you get **72.6712, 80.7074, 22.9361**, and if you desaturate by 10%, it is **77.8405, 85.9716, 40.3029**.

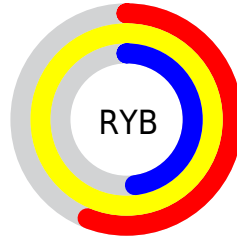
Distribution



Red (100%)

Green (93%)

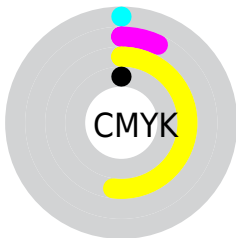
Blue (48%)



Red (56%)

Yellow (100%)

Blue (48%)

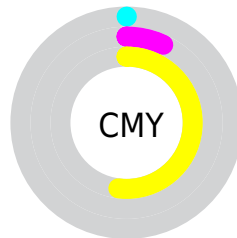


Cyan (0%)

Magenta (7%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0370, 83.2335, 30.5232 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 75.0370, 83.2335, 30.5232 by changing the saturation by 10% instead.


 75.0370, 83.2335,
30.5232


 75.0370, 83.2335,
30.5232


467.0400,
505.7644, 318.6185


 55.9375, 62.3828,
19.9806


 125.3524,
137.9024, 61.5594

 40.3896, 45.3421,
12.1970


 157.2989,
172.4895, 82.8900

 28.0280, 31.7270,
6.7538


 194.2585,
212.4241, 108.6538

 18.4873, 21.1530,
3.2325

236.5966,
258.0906, 139.2693

 11.4022, 13.2359,
1.2146

284.6784,
309.8736, 175.1550

 6.4073, 7.5912,
0.0000

338.8693,

 3.1373, 3.8345,

368.1572, 216.7294

0.0000

399.5347,
433.3260, 264.4110

■ 1.2268, 1.5814,
0.0000

■ 0.1274, 0.3450,
0.0000

■ 75.0370, 83.2335,
30.5232

■ 75.0370, 83.2335,
30.5232

■ 72.6712, 80.7074,
22.9361

■ 77.8405, 85.9716,
40.3029

■ 70.7039, 78.3681,
17.3619

■ 81.1055, 88.9222,
52.4258

■ 69.0986, 76.2041,
13.6007

■ 84.8608, 92.1000,
67.0353

■ 67.8092, 74.1967,
11.4094

■ 89.1314, 95.5151,
84.2618

■ 66.9647, 72.7098,
10.5050

■ 93.9403, 99.1770,
104.2264

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

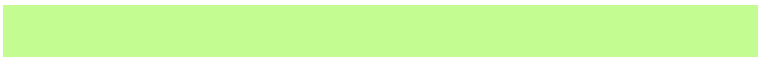
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4655, 83.2335, 33.0823



75.0370, 83.2335, 30.5232



62.4144, 83.2335, 39.5251

Triad

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



75.0370, 83.2335, 30.5232



58.3166, 83.2335, 152.6992



109.4060, 83.2335, 125.3906

Complementary

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



75.0370, 83.2335, 30.5232



35.4539, 30.1128, 98.5510

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.



98.5475, 83.2335, 173.4811



75.0370, 83.2335, 30.5232



68.7486, 83.2335, 192.4380

Square

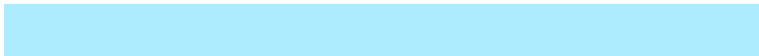
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0370, 83.2335, 30.5232



53.6005, 83.2335, 103.0269



83.3297, 83.2335, 201.0640



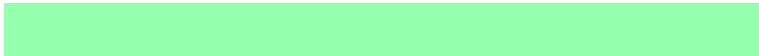
111.6513, 83.2335, 79.2644

Rectangle

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



75.0370, 83.2335, 30.5232



56.8198, 83.2335, 53.3115



83.3297, 83.2335, 201.0640



106.5810, 83.2335, 142.2325

Sweetspot

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



75.0390, 83.2374, 30.5249



87.4275, 94.1739, 77.3218



53.0787, 37.1314, 29.9421



18.5247, 20.0065, 15.7897



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.



75.0390, 83.2374, 30.5249



72.4904, 80.5030, 22.3902



65.4123, 86.4002, 31.6428



19.3393, 20.6468, 19.1103



35.0719, 38.1550, 5.5162



3.4703, 3.8259, 0.5556

Inverse Universe

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



35.4539, 30.1128, 98.5510



28.9571, 22.1284, 97.3527



41.2761, 29.5254, 98.1308



17.2011, 17.7738, 22.7740



9.7981, 4.5058, 49.7879



1.0119, 0.5546, 4.8670

Previews

White Background



This preview shows how the XYZ color 75.0370, 83.2335, 30.5232 looks on a white background.

Color Contrast Check

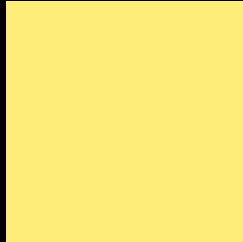
Large Text (above 18pt) WCAG AA × Fail

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 75.0370, 83.2335, 30.5232 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 75.0370, 83.2335, 30.5232

Background



This preview shows how black text looks on a background with the XYZ color 75.0370, 83.2335, 30.5232.



This preview shows how white text looks on a background with the XYZ color 75.0370, 83.2335,

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

75.0370, 83.2335, 30.5232

Protanopia

76.6158, 82.9437, 41.6774

Deuteranopia

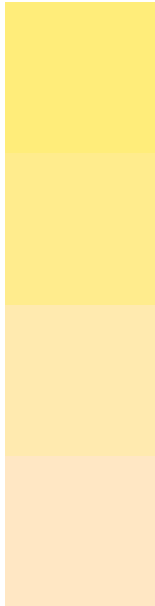
81.1161, 83.3810, 69.5765



Tritanopia

84.5634, 82.9788, 93.2209

Trichromacy



Original Color

75.0370, 83.2335, 30.5232

Protanomaly

76.0432, 83.1740, 37.2456

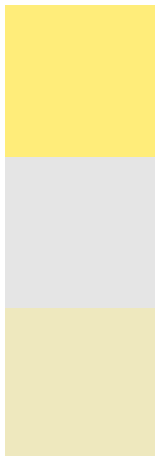
Deuteranomaly

78.4007, 83.2008, 52.4846

Tritanomaly

79.7797, 82.3974, 63.9240

Monochromacy



Original Color

75.0370, 83.2335, 30.5232

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.4108, 79.6081, 60.2119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0370, 83.2335, 30.5232 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 122) }
```

Border

The CSS property to change the border of an element to XYZ 75.0370, 83.2335, 30.5232 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, 122) }
```


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

```
.border{ border-color:rgb(255, 237, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0370, 83.2335, 30.5232 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
237, 122) }
```

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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