

Converting Colors

XYZ(80.7276, 78.7389, 34.2178)

Have a look what the booklet for
XYZ(80.7276, 78.7389, 34.2178)
contains.

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Color

**XYZ(71.0155, 73.7006,
33.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB88
RGB	255, 219, 136
RGB Percent	100%, 86%, 53%
CMY	0.0000, 0.1412, 0.4667
CMYK	0.00, 0.14, 0.47, 0.00
HSL	42°, 100%, 77%
HSV	42°, 47%, 100%
XYZ	71.0155, 73.7006, 33.7753
YIQ	220.3020, 48.0990, -18.1810

Conversions

Conversions Part 2

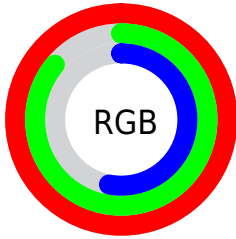
Format	Color
RYB	188, 255, 136
Decimal	16767880
CIELab	88.78, 2.07, 45.27
CIElCh	89, 45.317, 87.388
Yxy	73.7006, 0.3979, 0.4129
Android (android.graphics.Color)	4294957960 (0xFFFFDB88)
YUV	220.3020, -41.5609, 30.4301
Hunter-Lab	85.8491, -2.5782, 36.7681

Details

The XYZ color **71.0155, 73.7006, 33.7753** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.9555, 41.9579, 100.4423**, and the grayscale version is **68.4979, 72.0651, 78.4789**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **37.6406, 38.9268, 13.9172** is the 20% darker color. If you saturate the color by 10%, you get **67.4491, 69.1312, 24.6844**, and if you desaturate by 10%, it is **75.1098, 78.6358, 45.1705**.

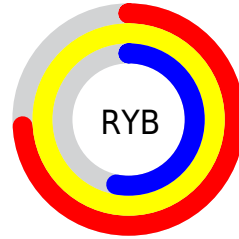
Distribution



Red (100%)

Green (86%)

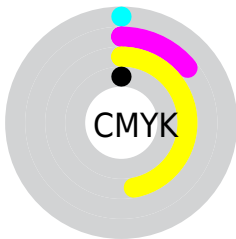
Blue (53%)



Red (74%)

Yellow (100%)

Blue (53%)

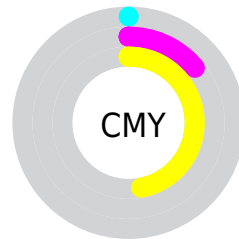


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0155, 73.7006, 33.7753 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 71.0155, 73.7006, 33.7753 by changing the saturation by 10% instead.


 71.0155, 73.7006,
33.7753

 71.0155, 73.7006,
33.7753


453.3186,
473.4394, 333.8675


 52.6374, 54.5490,
22.4451


 119.6742,
124.4713, 66.7140

 37.7397, 39.0408,
13.9829


 150.6855,
156.8592, 89.1595

 25.9570, 26.7914,
7.9701


 186.6386,
194.4280, 116.1472

 16.9240, 17.4167,
3.9883

227.8989,
237.5621, 148.0957

 10.2753, 10.5320,
1.6190

274.8317,
286.6459, 185.4234

 5.6455, 5.7531,
0.3043

327.8023,

 2.6694, 2.6955,

342.0638, 228.5489

0.0000

387.1762,
404.2002, 277.8907

■ 0.9814, 0.9749,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.0155, 73.7006,
33.7753

■ 71.0155, 73.7006,
33.7753

■ 67.4491, 69.1312,
24.6844

■ 75.1098, 78.6358,
45.1705

■ 64.3730, 64.9025,
17.7295

■ 79.7560, 83.9402,
59.0136

■ 61.7525, 61.0011,
12.7260

■ 84.9826, 89.6298,
75.4414

■ 59.5450, 57.4079,
9.4561

■ 90.8146, 95.7166,
94.5795

■ 57.6971, 54.0996, 95.0500, 100.0000,
7.6455 108.9000

■ 57.1344, 53.0489,
7.2282

Harmonies

Analogous

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



82.0401, 73.7006, 39.3706



71.0155, 73.7006, 33.7753



60.7911, 73.7006, 37.6834

Triad

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



71.0155, 73.7006, 33.7753



52.9461, 73.7006, 111.3562



89.3554, 73.7006, 117.3921

Complementary

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



71.0155, 73.7006, 33.7753



42.9555, 41.9579, 100.4423

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.



80.2048, 73.7006, 146.6968



71.0155, 73.7006, 33.7753



59.2894, 73.7006, 142.6209

Square

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



71.0155, 73.7006, 33.7753



51.0268, 73.7006, 77.5268



69.0937, 73.7006, 156.9532



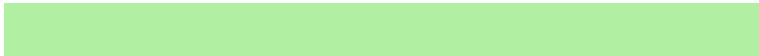
93.2963, 73.7006, 83.0309

Rectangle

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



71.0155, 73.7006, 33.7753



55.6495, 73.7006, 45.9128



69.0937, 73.7006, 156.9532



86.7428, 73.7006, 128.4690

Sweetspot

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



71.0173, 73.7041, 33.7768



86.4772, 91.2131, 80.2732



57.6538, 41.9127, 44.9349



18.2500, 19.2486, 16.3415



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.



71.0173, 73.7041, 33.7768



67.6710, 69.4248, 25.2214



73.8684, 90.6522, 36.8978



19.0702, 20.1087, 19.0206



29.9915, 27.9942, 3.8227



3.0163, 2.9180, 0.4043

Inverse Universe

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



42.9555, 41.9579, 100.4423



36.5444, 34.2516, 99.2929



40.9194, 32.0798, 98.6430



17.4509, 18.2735, 22.8573



10.9369, 6.7834, 50.1675



1.1560, 0.8427, 4.9150

Previews

White Background



This preview shows how the XYZ color 71.0155, 73.7006, 33.7753 looks on a white background.

Color Contrast Check

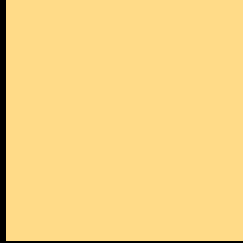
Large Text (above 18pt) WCAG AA × Fail

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 71.0155, 73.7006, 33.7753 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 71.0155, 73.7006, 33.7753

Background



This preview shows how black text looks on a background with the XYZ color 71.0155, 73.7006, 33.7753.

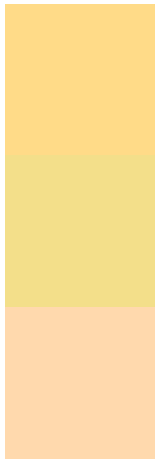


This preview shows how white text looks on a background with the XYZ color 71.0155, 73.7006,

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

71.0155, 73.7006, 33.7753

Protanopia

67.9373, 73.6650, 34.6828

Deuteranopia

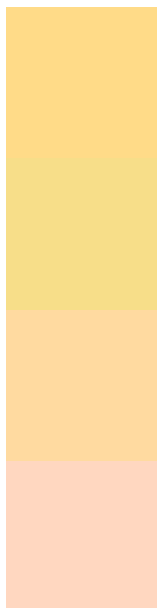
73.5957, 73.9028, 49.9209



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

71.0155, 73.7006, 33.7753

Protanomaly

68.9944, 73.8229, 34.2798

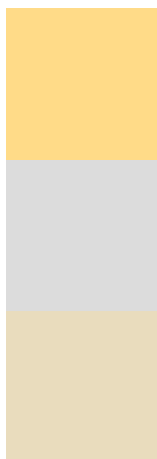
Deuteranomaly

72.6566, 73.9409, 43.7003

Tritanomaly

75.0549, 73.6666, 60.1324

Monochromacy



Original Color

71.0155, 73.7006, 33.7753

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.3828, 72.1842, 58.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0155, 73.7006, 33.7753 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, 219, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 136)  
}
```

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, 219, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 136) }
```

Border

The CSS property to change the border of an element to XYZ 71.0155, 73.7006, 33.7753 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, 219, 136) }
```


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

```
.border{ border-color:rgb(255, 219, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0155, 73.7006, 33.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 136) }
```

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

```
.background{ background-color: rgb(255,  
219, 136) }
```

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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