

Converting Colors

XYZ(96.2928, 86.4388, 34.4242)

Have a look what the booklet for
XYZ(96.2928, 86.4388, 34.4242)
contains.

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Color

**XYZ(70.6846, 73.1521,
33.3160)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA87
RGB	255, 218, 135
RGB Percent	100%, 85%, 53%
CMY	0.0000, 0.1451, 0.4706
CMYK	0.00, 0.15, 0.47, 0.00
HSL	42°, 100%, 76%
HSV	42°, 47%, 100%
XYZ	70.6846, 73.1521, 33.3160
YIQ	219.6010, 48.6950, -17.9690

Conversions

Conversions Part 2

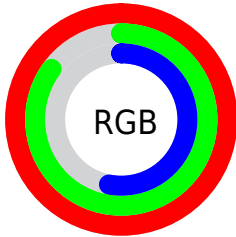
Format	Color
R_{YB}	188, 255, 135
Decimal	16767623
CIE _{Lab}	88.52, 2.48, 45.44
CIE _{LCh}	89, 45.505, 86.873
Yxy	73.1521, 0.3990, 0.4129
Android (android.graphics.Color)	4294957703 (0xFFFFDA87)
YUV	219.6010, -41.7083, 31.0449
Hunter-Lab	85.5290, -2.1562, 36.7751

Details

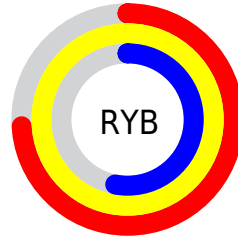
The XYZ color **70.6846, 73.1521, 33.3160** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.7937, 41.8745, 100.4346**, and the grayscale version is **68.0086, 71.5504, 77.9183**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **37.4235, 38.5547, 13.6530** is the 20% darker color. If you saturate the color by 10%, you get **67.1099, 68.5400, 24.3027**, and if you desaturate by 10%, it is **74.7896, 78.1365, 44.6287**.

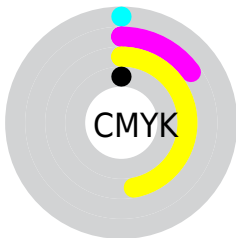
Distribution



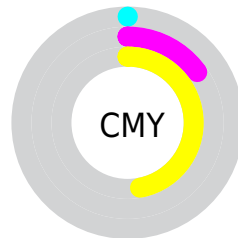
- Red (100%)
- Green (85%)
- Blue (53%)



- Red (74%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (15%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6846, 73.1521, 33.3160 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 70.6846, 73.1521, 33.3160 by changing the saturation by 10% instead.


 70.6846, 73.1521,
33.3160


 70.6846, 73.1521,
33.3160


452.1791,
471.5418, 331.7468


 52.3665, 54.1003,
22.0955


 119.2055,
123.6931, 65.9903

 37.5227, 38.6819,
13.7281


 150.1389,
155.9512, 88.2811

 25.7880, 26.5123,
7.7952


 186.0082,
193.3801, 115.0992

 16.7969, 17.2073,
3.8783

227.1786,
236.3643, 146.8631

 10.1842, 10.3824,
1.5588

274.0156,
285.2882, 183.9912

 5.5845, 5.6532,
0.2612

326.8844,

 2.6323, 2.6354,

340.5361, 226.9022

0.0000

386.1505,
402.4925, 276.0145

■ 0.9625, 0.9445,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6846, 73.1521,
33.3160

■ 70.6846, 73.1521,
33.3160

■ 67.1099, 68.5400,
24.3027

■ 74.7896, 78.1365,
44.6287

■ 64.0275, 64.2747,
17.4197

■ 79.4488, 83.4967,
58.3848

■ 61.4025, 60.3427,
12.4814

■ 84.6912, 89.2490,
74.7219

■ 59.1920, 56.7248,
9.2683

■ 90.5417, 95.4053,
93.7657

■ 57.3412, 53.3967, 95.0499, 99.9999,
7.4998 108.9000

■ 56.8414, 52.4629,
7.1305

Harmonies

Analogous

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



81.6900, 73.1521, 39.0520



70.6846, 73.1521, 33.3160



60.4339, 73.1521, 37.0408

Triad

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



70.6846, 73.1521, 33.3160



52.3780, 73.1521, 110.1550



88.7073, 73.1521, 117.3849

Complementary

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



70.6846, 73.1521, 33.3160



42.7937, 41.8745, 100.4346

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.



79.4934, 73.1521, 146.5061



70.6846, 73.1521, 33.3160



58.6389, 73.1521, 141.6198

Square

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



70.6846, 73.1521, 33.3160



50.5423, 73.1521, 76.4036



68.3858, 73.1521, 156.3661



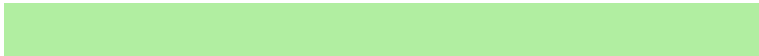
92.7589, 73.1521, 82.9875

Rectangle

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



70.6846, 73.1521, 33.3160



55.2581, 73.1521, 45.1125



68.3858, 73.1521, 156.3661



86.0667, 73.1521, 128.4289

Sweetspot

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



70.6864, 73.1555, 33.3175



86.4147, 91.0882, 80.2523



57.4472, 41.6058, 44.5389



18.2348, 19.2180, 16.3364



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.



70.6864, 73.1555, 33.3175



67.4644, 69.0115, 25.1525



73.7376, 90.5928, 36.5224



19.0610, 20.0902, 19.0175



29.8396, 27.6903, 3.7721



3.0024, 2.8902, 0.3996

Inverse Universe

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



42.7937, 41.8745, 100.4346



36.6835, 34.5297, 99.3392



40.6193, 31.7170, 98.5886



17.4597, 18.2910, 22.8602



10.9934, 6.8963, 50.1863



1.1624, 0.8555, 4.9171

Previews

White Background



This preview shows how the XYZ color 70.6846, 73.1521, 33.3160 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 70.6846, 73.1521, 33.3160 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 70.6846, 73.1521, 33.3160

Background



This preview shows how black text looks on a background with the XYZ color 70.6846, 73.1521, 33.3160.



This preview shows how white text looks on a background with the XYZ color 70.6846, 73.1521,

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

70.6846, 73.1521, 33.3160

Protanopia

67.5988, 73.1034, 34.2144

Deuteranopia

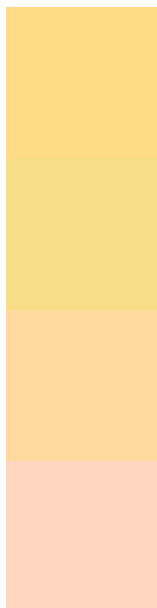
73.0516, 73.2740, 48.3233



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

70.6846, 73.1521, 33.3160

Protanomaly

68.6582, 73.2646, 33.8154

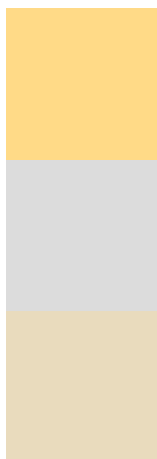
Deuteranomaly

72.1387, 73.3200, 42.2484

Tritanomaly

74.6905, 73.1147, 59.4662

Monochromacy



Original Color

70.6846, 73.1521, 33.3160

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1211, 71.6608, 58.3857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6846, 73.1521, 33.3160 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, 218, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 135)  
}
```

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, 218, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 135) }
```

Border

The CSS property to change the border of an element to XYZ 70.6846, 73.1521, 33.3160 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, 218, 135) }
```


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

```
.border{ border-color:rgb(255, 218, 135) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6846, 73.1521, 33.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 135) }
```

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

```
.background{ background-color: rgb(255,  
218, 135) }
```

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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