

Converting Colors

XYZ(70.8038, 73.1085, 34.2257)

Have a look what the booklet for
XYZ(70.8038, 73.1085, 34.2257)
contains.

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Color

**XYZ(70.8268, 73.2090,
34.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA89
RGB	255, 218, 137
RGB Percent	100%, 85%, 54%
CMY	0.0000, 0.1451, 0.4627
CMYK	0.00, 0.15, 0.46, 0.00
HSL	41°, 100%, 77%
HSV	41°, 46%, 100%
XYZ	70.8268, 73.2090, 34.0647
YIQ	219.8290, 48.0530, -17.3470

Conversions

Conversions Part 2

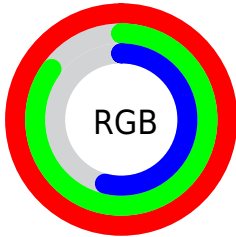
Format	Color
RYB	191, 255, 137
Decimal	16767625
CIELab	88.55, 2.67, 44.48
CIELCh	89, 44.562, 86.566
Yxy	73.2090, 0.3977, 0.4111
Android (android.graphics.Color)	4294957705 (0xFFFFDA89)
YUV	219.8290, -40.8347, 30.8450
Hunter-Lab	85.5623, -1.9751, 36.2886

Details

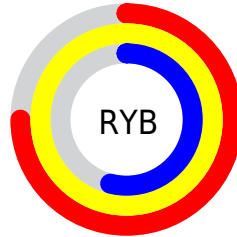
The XYZ color **70.8268, 73.2090, 34.0647** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.5021, 42.8089, 100.5777**, and the grayscale version is **68.1622, 71.7119, 78.0943**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **37.5018, 38.5860, 14.0656** is the 20% darker color. If you saturate the color by 10%, you get **67.1865, 68.5180, 24.8686**, and if you desaturate by 10%, it is **75.0029, 78.2798, 45.5735**.

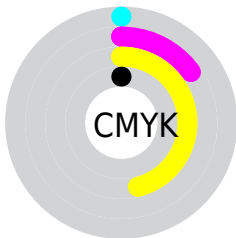
Distribution



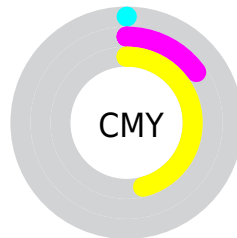
- Red (100%)
- Green (85%)
- Blue (54%)



- Red (75%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8268, 73.2090, 34.0647 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 70.8268, 73.2090, 34.0647 by changing the saturation by 10% instead.


 70.8268, 73.2090,
34.0647


 70.8268, 73.2090,
34.0647


452.6690,
471.7389, 335.1984


 52.4829, 54.1469,
22.6655


 119.4069,
123.7739, 67.1693

 37.6159, 38.7191,
14.1438


 150.3739,
156.0454, 89.7119

 25.8606, 26.5413,
8.0808


 186.2792,
193.4889, 116.8059

 16.8515, 17.2290,
4.0582

227.4882,
236.4886, 148.8701

 10.2233, 10.3979,
1.6573

274.3664,
285.4291, 186.3229

 5.6107, 5.6636,
0.3312

327.2790,

 2.6482, 2.6416,

340.6947, 229.5828

0.0000

386.5914,
402.6698, 279.0685

■ 0.9706, 0.9476,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.8268, 73.2090,
34.0647

■ 70.8268, 73.2090,
34.0647

■ 67.1865, 68.5180,
24.8686

■ 75.0029, 78.2798,
45.5735

■ 64.0444, 64.1813,
17.8174

■ 79.7388, 83.7340,
59.5379

■ 61.3659, 60.1855,
12.7276

■ 85.0632, 89.5879,
76.0945

■ 59.1083, 56.5113,
9.3827

■ 91.0010, 95.8536,
95.3685

■ 57.2192, 53.1353,
7.5132

95.0499, 100.0000,
108.9000

■ 56.5807, 51.9415,
7.0436

Harmonies

Analogous

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



81.5874, 73.2090, 39.8551



70.8268, 73.2090, 34.0647



60.7534, 73.2090, 37.6656

Triad

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



70.8268, 73.2090, 34.0647



52.7048, 73.2090, 109.1823



88.2701, 73.2090, 116.9232

Complementary

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



70.8268, 73.2090, 34.0647



43.5021, 42.8089, 100.5777

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.



79.2291, 73.2090, 145.1423



70.8268, 73.2090, 34.0647



58.8179, 73.2090, 139.9256

Square

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



70.8268, 73.2090, 34.0647



50.9446, 73.2090, 76.2231



68.3538, 73.2090, 154.4846



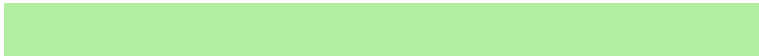
92.2891, 73.2090, 83.3061

Rectangle

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



70.8268, 73.2090, 34.0647



55.6438, 73.2090, 45.5840



68.3538, 73.2090, 154.4846



85.6749, 73.2090, 127.6568

Sweetspot

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



70.8286, 73.2124, 34.0662



86.3586, 90.9760, 80.2336



57.8619, 42.2224, 45.3330



18.2210, 19.1906, 16.3318



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.



70.8286, 73.2124, 34.0662



67.2795, 68.6417, 25.0908



73.9997, 90.7115, 37.2767



19.0527, 20.0736, 19.0147



29.7043, 27.4199, 3.7270



2.9900, 2.8654, 0.3955

Inverse Universe

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



43.5021, 42.8089, 100.5777



36.8093, 34.7813, 99.3811



41.2218, 32.4457, 98.6976



17.4676, 18.3069, 22.8629



11.0452, 7.0000, 50.2036



1.1682, 0.8671, 4.9191

Previews

White Background



This preview shows how the XYZ color 70.8268, 73.2090, 34.0647 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 70.8268, 73.2090, 34.0647 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 70.8268, 73.2090, 34.0647

Background



This preview shows how black text looks on a background with the XYZ color 70.8268, 73.2090, 34.0647.



This preview shows how white text looks on a background with the XYZ color 70.8268, 73.2090,

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

70.8268, 73.2090, 34.0647

Protanopia

67.7436, 73.1613, 34.9772

Deuteranopia

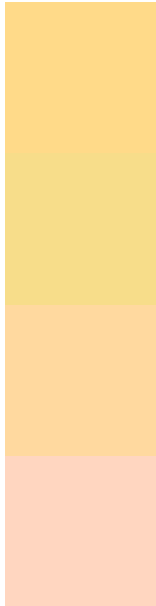
73.1466, 73.3120, 48.8235



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

70.8268, 73.2090, 34.0647

Protanomaly

68.8017, 73.3220, 34.5711

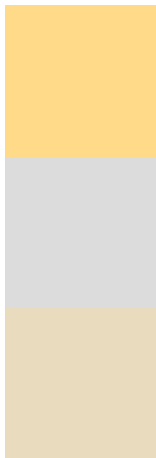
Deuteranomaly

72.3109, 73.3889, 43.1552

Tritanomaly

74.8010, 73.1589, 60.0478

Monochromacy



Original Color

70.8268, 73.2090, 34.0647

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.2301, 71.7044, 58.9594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8268, 73.2090, 34.0647 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 137) }
```

Border

The CSS property to change the border of an element to XYZ 70.8268, 73.2090, 34.0647 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, 137) }
```


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

```
.border{ border-color:rgb(255, 218, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8268, 73.2090, 34.0647 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
218, 137) }
```

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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