

Converting Colors

XYZ(71.8665, 75.2078, 34.6598)

Have a look what the booklet for
XYZ(71.8665, 75.2078, 34.6598)
contains.

XYZ(71.9487, 75.3375, 34.7942)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.9487, 75.3375,
34.7942)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE8A
RGB	255, 222, 138
RGB Percent	100%, 87%, 54%
CMY	0.0000, 0.1294, 0.4588
CMYK	0.00, 0.13, 0.46, 0.00
HSL	43°, 100%, 77%
HSV	43°, 46%, 100%
XYZ	71.9487, 75.3375, 34.7942
YIQ	222.2910, 46.6320, -19.1280

Conversions

Conversions Part 2

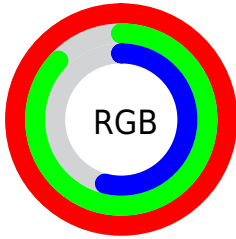
Format	Color
RYB	184, 255, 138
Decimal	16768650
CIELab	89.55, 0.72, 45.25
CIElCh	90, 45.255, 89.083
Yxy	75.3375, 0.3951, 0.4138
Android (android.graphics.Color)	4294958730 (0xFFFFDE8A)
YUV	222.2910, -41.5555, 28.6858
Hunter-Lab	86.7972, -3.9312, 36.9906

Details

The XYZ color **71.9487, 75.3375, 34.7942** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.0937, 41.7476, 100.3943**, and the grayscale version is **69.9000, 73.5403, 80.0854**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **38.2634, 40.0451, 14.5169** is the 20% darker color. If you saturate the color by 10%, you get **68.4461, 70.9480, 25.5632**, and if you desaturate by 10%, it is **75.9699, 80.0703, 46.3379**.

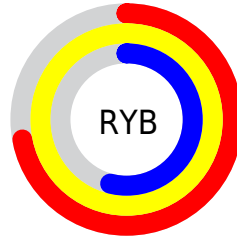
Distribution



Red (100%)

Green (87%)

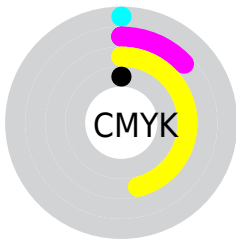
Blue (54%)



Red (72%)

Yellow (100%)

Blue (54%)

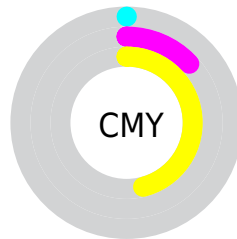


Cyan (0%)

Magenta (13%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9487, 75.3375, 34.7942 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 71.9487, 75.3375, 34.7942 by changing the saturation by 10% instead.

 71.9487, 75.3375,
34.7942


 71.9487, 75.3375,
34.7942


456.5234,
479.0768, 338.5356


 53.4021, 55.8894,
23.2221


 120.9948,
126.7900, 68.3148

 38.3526, 40.1143,
14.5508


 152.2250,
159.5632, 91.1003

 26.4349, 27.6277,
8.3616


 188.4137,
197.5469, 118.4608

 17.2837, 18.0452,
4.2361

229.9264,
241.1255, 150.8147

 10.5335, 10.9824,
1.7558

277.1283,
290.6834, 188.5806

 5.8191, 6.0550,
0.3985

330.3849,

 2.7750, 2.8786,

346.6050, 232.1770

0.0000

390.0615,
409.2747, 282.0225

■ 1.0359, 1.0687,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.9487, 75.3375,
34.7942

■ 71.9487, 75.3375,
34.7942

■ 68.4461, 70.9480,
25.5632

■ 75.9699, 80.0703,
46.3379

■ 65.4248, 66.8770,
18.4776

■ 80.5329, 85.1490,
60.3363

■ 62.8507, 63.1120,
13.3554

■ 85.6661, 90.5893,
76.9256

■ 60.6820, 59.6346,
9.9816

■ 91.3939, 96.4024,
96.2304

■ 58.8673, 56.4226, 95.0499, 99.9999,
8.0897 108.9000

■ 58.1920, 55.1641,
7.5807

Harmonies

Analogous

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



83.1557, 75.3375, 39.9327



71.9487, 75.3375, 34.7942



61.7137, 75.3375, 39.3295

Triad

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



71.9487, 75.3375, 34.7942



54.5083, 75.3375, 115.5160



91.5468, 75.3375, 117.6613

Complementary

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



71.9487, 75.3375, 34.7942



43.0937, 41.7476, 100.3943

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.



82.5027, 75.3375, 147.9754



71.9487, 75.3375, 34.7942



61.1786, 75.3375, 146.5282

Square

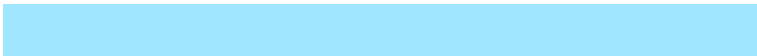
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9487, 75.3375, 34.7942



52.2952, 75.3375, 81.0538



71.2645, 75.3375, 159.6939



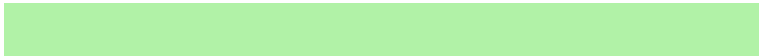
95.1668, 75.3375, 83.0134

Rectangle

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



71.9487, 75.3375, 34.7942



56.6424, 75.3375, 48.1217



71.2645, 75.3375, 159.6939



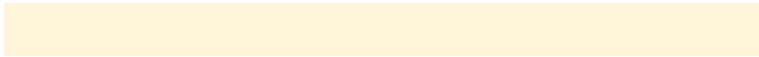
88.9971, 75.3375, 128.9946

Sweetspot

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



71.9505, 75.3410, 34.7957



86.6978, 91.6543, 80.3467



57.6939, 42.3836, 43.7440



18.3041, 19.3566, 16.3595



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.



71.9505, 75.3410, 34.7957



68.7352, 71.3222, 26.2882



72.8685, 90.1201, 37.6000



19.1029, 20.1740, 19.0315



30.5397, 29.0906, 4.0054



3.0663, 3.0179, 0.4209

Inverse Universe

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



43.0937, 41.7476, 100.3943



36.6926, 34.0584, 99.2478



42.3152, 33.2213, 98.7896



17.4200, 18.2117, 22.8470



10.7475, 6.4046, 50.1043



1.1343, 0.7992, 4.9078

Previews

White Background



This preview shows how the XYZ color 71.9487, 75.3375, 34.7942 looks on a white background.

Color Contrast Check

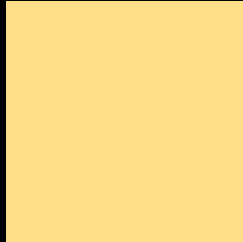
Large Text (above 18pt) WCAG AA × Fail

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 71.9487, 75.3375, 34.7942 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 71.9487, 75.3375, 34.7942

Background



This preview shows how black text looks on a background with the XYZ color 71.9487, 75.3375, 34.7942.



This preview shows how white text looks on a background with the XYZ color 71.9487, 75.3375,

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

71.9487, 75.3375, 34.7942

Protanopia

69.5914, 75.3073, 35.2940

Deuteranopia

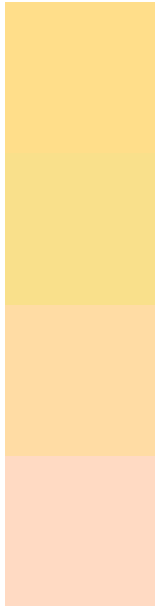
74.7082, 75.1777, 53.2210



Tritanopia

79.4056, 75.4069, 83.0429

Trichromacy



Original Color

71.9487, 75.3375, 34.7942

Protanomaly

70.3828, 75.3151, 35.2538

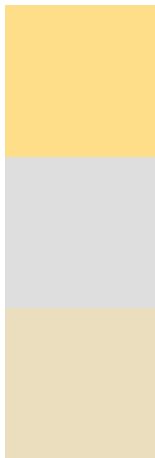
Deuteranomaly

73.5340, 75.1267, 45.7472

Tritanomaly

76.1617, 75.3429, 62.1582

Monochromacy



Original Color

71.9487, 75.3375, 34.7942

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.4569, 73.4966, 59.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9487, 75.3375, 34.7942 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, 222, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 138)  
}
```

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, 222, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 138) }
```

Border

The CSS property to change the border of an element to XYZ 71.9487, 75.3375, 34.7942 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, 222, 138) }
```


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

```
.border{ border-color:rgb(255, 222, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9487, 75.3375, 34.7942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 138) }
```

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

```
.background{ background-color: rgb(255,  
222, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor