

Converting Colors

XYZ(70.5532, 74.4617, 28.4245)

Have a look what the booklet for
XYZ(70.5532, 74.4617, 28.4245)
contains.

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Color

**XYZ(70.4866, 74.3290,
28.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD78
RGB	255, 221, 120
RGB Percent	100%, 87%, 47%
CMY	0.0000, 0.1333, 0.5294
CMYK	0.00, 0.13, 0.53, 0.00
HSL	45°, 100%, 74%
HSV	45°, 53%, 100%
XYZ	70.4866, 74.3290, 28.4012
YIQ	219.6520, 52.6850, -24.2030

Conversions

Conversions Part 2

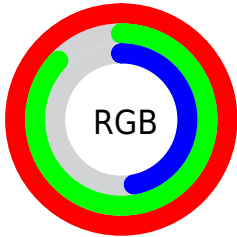
Format	Color
RYB	165, 255, 120
Decimal	16768376
CIELab	89.08, -0.34, 53.38
CIELCh	89, 53.382, 90.369
Yxy	74.3290, 0.4069, 0.4291
Android (android.graphics.Color)	4294958456 (0xFFFFD78)
YUV	219.6520, -49.1284, 31.0002
Hunter-Lab	86.2143, -4.9379, 40.8183

Details

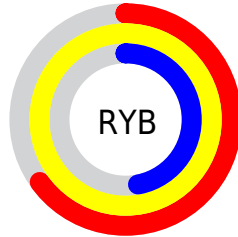
The XYZ color **70.4866, 74.3290, 28.4012** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.3509, 34.3230, 99.2637**, and the grayscale version is **68.0924, 71.6385, 78.0143**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **37.4446, 39.4256, 11.1052** is the 20% darker color. If you saturate the color by 10%, you get **67.4779, 70.4673, 20.7535**, and if you desaturate by 10%, it is **73.9757, 78.4922, 38.2434**.

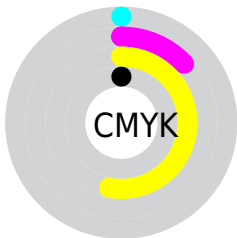
Distribution



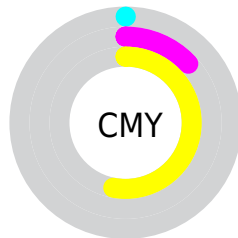
- Red (100%)
- Green (87%)
- Blue (47%)



- Red (65%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (13%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4866, 74.3290, 28.4012 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 70.4866, 74.3290, 28.4012 by changing the saturation by 10% instead.


 70.4866, 74.3290,
28.4012


 70.4866, 74.3290,
28.4012


451.4965,
475.6081, 308.3511


 52.2044, 55.0634,
18.3866


 118.9249,
125.3621, 58.1551

 37.3929, 39.4524,
11.0556


 149.8117,
157.8983, 78.7316

 25.6869, 27.1119,
5.9896


 185.6307,
195.6268, 103.6657

 16.7210, 17.6573,
2.7701

226.7473,
238.9321, 133.3762

 10.1299, 10.7042,
0.9785

273.5268,
288.1984, 168.2814

 5.5481, 5.8683,
0.0000

326.3346,

 2.6103, 2.7652,

343.8103, 208.7999

0.0000

385.5361,
406.1520, 255.3503

■ 0.9512, 1.0104,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4866, 74.3290,
28.4012

■ 70.4866, 74.3290,
28.4012

■ 67.4779, 70.4673,
20.7535

■ 73.9757, 78.4922,
38.2434

■ 64.9101, 66.8818,
15.1191

■ 77.9705, 82.9598,
50.4328

■ 62.7456, 63.5590,
11.2952

■ 82.5005, 87.7475,
65.1138

■ 60.9365, 60.4786,
9.0342

■ 87.5912, 92.8665,
82.4176

■ 59.8247, 58.4298,
8.1250

■ 93.2665, 98.3275,
102.4663

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.



83.7314, 74.3290, 33.3138



70.4866, 74.3290, 28.4012



58.7560, 74.3290, 33.5696

Triad

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



70.4866, 74.3290, 28.4012



51.2126, 74.3290, 122.7560



94.6612, 74.3290, 121.7047

Complementary

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



70.4866, 74.3290, 28.4012



37.3509, 34.3230, 99.2637

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.



84.0441, 74.3290, 159.6770



70.4866, 74.3290, 28.4012



59.0029, 74.3290, 160.4035

Square

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



70.4866, 74.3290, 28.4012



48.4965, 74.3290, 81.3936



70.8086, 74.3290, 175.6197



98.6865, 74.3290, 80.4714

Rectangle

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



70.4866, 74.3290, 28.4012



53.1022, 74.3290, 43.3392



70.8086, 74.3290, 175.6197



91.6855, 74.3290, 135.6760

Sweetspot

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



70.4884, 74.3325, 28.4027



85.9729, 91.2647, 76.8369



53.9575, 37.0939, 35.7693



18.1752, 19.3075, 15.6732



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.



70.4884, 74.3325, 28.4027



67.1857, 70.0746, 20.0641



69.7360, 88.6433, 31.2046



19.1512, 20.2705, 19.0476



31.3851, 30.7815, 4.2873



3.1428, 3.1709, 0.4464

Inverse Universe

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



37.3509, 34.3230, 99.2637



30.8168, 26.2312, 98.0466



37.6226, 27.2811, 97.8901



17.3746, 18.1209, 22.8319



10.4949, 5.8994, 50.0201



1.1044, 0.7395, 4.8978

Previews

White Background



This preview shows how the XYZ color 70.4866, 74.3290, 28.4012 looks on a white background.

Color Contrast Check

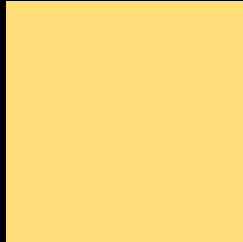
Large Text (above 18pt) WCAG AA × Fail

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 70.4866, 74.3290, 28.4012 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 70.4866, 74.3290, 28.4012

Background



This preview shows how black text looks on a background with the XYZ color 70.4866, 74.3290, 28.4012.



This preview shows how white text looks on a background with the XYZ color 70.4866, 74.3290,

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

70.4866, 74.3290, 28.4012

Protanopia

68.1129, 74.2846, 28.8376

Deuteranopia

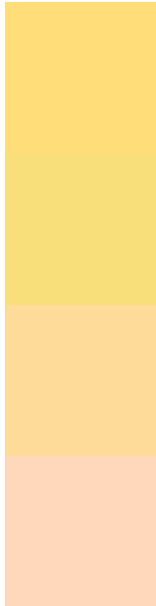
73.7578, 74.3814, 49.4993



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

70.4866, 74.3290, 28.4012

Protanomaly

68.9058, 74.2956, 28.7979

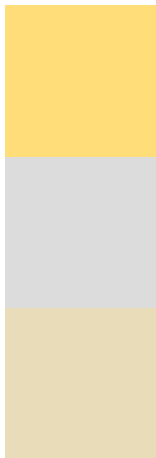
Deuteranomaly

72.3213, 74.2229, 40.6517

Tritanomaly

74.7655, 73.9596, 57.3488

Monochromacy



Original Color

70.4866, 74.3290, 28.4012

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8492, 71.9707, 55.6631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4866, 74.3290, 28.4012 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, 221, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 120)  
}
```

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, 221, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 120) }
```

Border

The CSS property to change the border of an element to XYZ 70.4866, 74.3290, 28.4012 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, 221, 120) }
```


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

```
.border{ border-color:rgb(255, 221, 120) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4866, 74.3290, 28.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 120) }
```

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

```
.background{ background-color: rgb(255,  
221, 120) }
```

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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