

Converting Colors

XYZ(68.8448, 74.2712, 28.4766)

Have a look what the booklet for
XYZ(68.8448, 74.2712, 28.4766)
contains.

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Color

**XYZ(68.8448, 74.2712,
28.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	F9DF78
RGB	249, 223, 120
RGB Percent	98%, 87%, 47%
CMY	0.0235, 0.1255, 0.5294
CMYK	0.00, 0.10, 0.52, 0.02
HSL	48°, 91%, 72%
HSV	48°, 52%, 98%
XYZ	68.8448, 74.2712, 28.4766
YIQ	219.0320, 48.5590, -26.5210

Conversions

Conversions Part 2

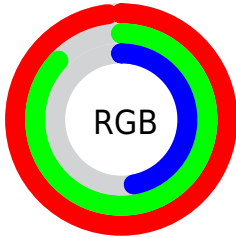
Format	Color
RYB	153, 249, 120
Decimal	16375672
CIELab	89.05, -3.77, 53.22
CIELCh	89, 53.354, 94.050
Yxy	74.2712, 0.4012, 0.4328
Android (android.graphics.Color)	4294565752 (0xFFFF9DF78)
YUV	219.0320, -48.8228, 26.2819
Hunter-Lab	86.1807, -8.2230, 40.7354

Details

The XYZ color **68.8448, 74.2712, 28.4766** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.1233, 31.3894, 93.8298**, and the grayscale version is **67.6604, 71.1840, 77.5193**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **36.2812, 39.3698, 11.1557** is the 20% darker color. If you saturate the color by 10%, you get **66.2056, 71.1050, 21.0863**, and if you desaturate by 10%, it is **71.9201, 77.6810, 37.9522**.

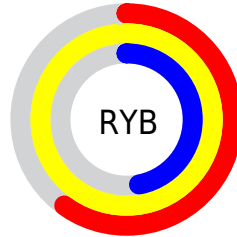
Distribution



Red (98%)

Green (87%)

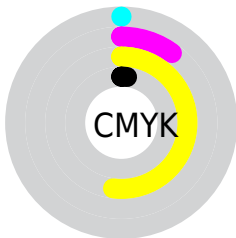
Blue (47%)



Red (60%)

Yellow (98%)

Blue (47%)

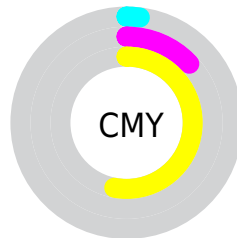


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (2%)



Cyan (2%)


Magenta (13%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8448, 74.2712, 28.4766 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 68.8448, 74.2712, 28.4766 by changing the saturation by 10% instead.


 68.8448, 74.2712,
28.4766

 68.8448, 74.2712,
28.4766


445.8133,
475.4088, 308.7206


 50.8615, 55.0160,
18.4431


 116.5952,
125.2802, 58.2767

 36.3190, 39.4146,
11.0958


 147.0929,
157.8028, 78.8803

 24.8519, 27.0824,
6.0163

 182.4929,
195.5167, 103.8444

 16.0949, 17.6351,
2.7861

223.1605,
238.8062, 133.5875

 9.6826, 10.6883,
0.9865

269.4609,
288.0558, 168.5281

 5.2497, 5.8577,
0.0000

321.7596,

 2.4307, 2.7587,

343.6498, 209.0848

0.0000

380.4220,
405.9727, 255.6762

■ 0.8605, 1.0071,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8448, 74.2712,
28.4766

■ 68.8448, 74.2712,
28.4766

■ 66.2056, 71.1050,
21.0863

■ 71.9201, 77.6810,
37.9522

■ 63.9659, 68.1588,
15.6126


■ 75.4545, 81.3357,
49.6550


■ 62.0911, 65.4210,
11.8683


■ 79.4752, 85.2497,
63.7199


■ 60.5378, 62.8738,
9.6260

■ 84.0059, 89.4327,
80.2694

 59.4502, 60.9064,
8.6227

 89.0686, 93.8942,
99.4178

 92.2771, 97.6803,
108.5984

 92.8768, 98.8797,
108.7983

Harmonies

Analogous

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



82.0848, 74.2712, 32.1264



68.8448, 74.2712, 28.4766



57.5220, 74.2712, 34.9319

Triad

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



68.8448, 74.2712, 28.4766



51.8698, 74.2712, 127.8464



95.4917, 74.2712, 116.3458

Complementary

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



68.8448, 74.2712, 28.4766



35.1233, 31.3894, 93.8298

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.



85.5067, 74.2712, 155.7100



68.8448, 74.2712, 28.4766



60.2264, 74.2712, 163.6531

Square

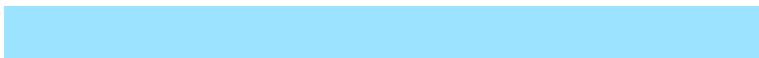
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8448, 74.2712, 28.4766



48.5120, 74.2712, 86.0217



72.3696, 74.2712, 175.1553



98.5244, 74.2712, 75.9257

Rectangle

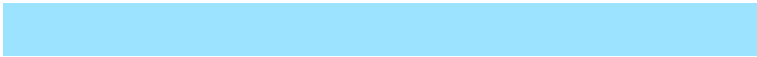
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8448, 74.2712, 28.4766



52.2573, 74.2712, 45.7500



72.3696, 74.2712, 175.1553



92.7816, 74.2712, 130.4993

Sweetspot

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



68.8466, 74.2747, 28.4781



86.5963, 92.5115, 77.0447



51.1251, 35.7099, 32.1953



18.3248, 19.6068, 15.7231



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.



68.8466, 74.2747, 28.4781



69.8188, 74.9728, 22.0762



64.5474, 83.1714, 30.4219



18.4129, 19.5617, 18.2677



31.9266, 32.8098, 4.6502



3.0296, 3.1841, 0.4549

Inverse Universe

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



35.1233, 31.3894, 93.8298



30.7875, 25.3926, 97.8863



37.6330, 27.3963, 92.9268



16.5662, 17.2093, 21.8339



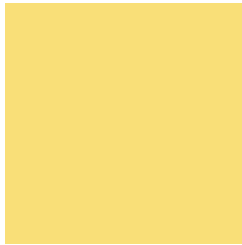
9.8466, 5.0488, 48.4291



0.9832, 0.6101, 4.5091

Previews

White Background



This preview shows how the XYZ color 68.8448, 74.2712, 28.4766 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 68.8448, 74.2712, 28.4766 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 68.8448, 74.2712, 28.4766

Background



This preview shows how black text looks on a background with the XYZ color 68.8448, 74.2712, 28.4766.



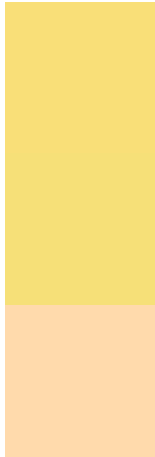
This preview shows how white text looks on a background with the XYZ color 68.8448, 74.2712,

28.4766.

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

68.8448, 74.2712, 28.4766

Protanopia

68.0519, 74.2602, 28.5162

Deuteranopia

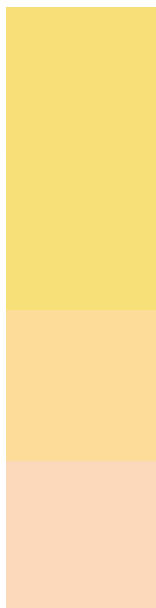
73.7578, 74.3814, 49.4993



Tritanopia

78.8994, 74.3946, 82.8742

Trichromacy



Original Color

68.8448, 74.2712, 28.4766

Protanomaly

68.4036, 74.4415, 28.5327

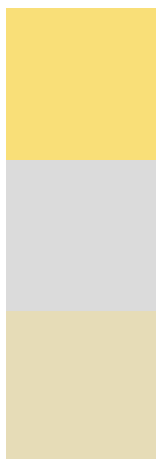
Deuteranomaly

71.8510, 74.3690, 40.7047

Tritanomaly

74.3980, 74.1392, 57.9661

Monochromacy



Original Color

68.8448, 74.2712, 28.4766

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.7736, 71.4283, 55.0674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8448, 74.2712, 28.4766 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(249, 223, 120)` looks like.

```
.text, #text, p{  
    color:rgb(249, 223, 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(249, 223, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 223, 120) }
```

Border

The CSS property to change the border of an element to XYZ 68.8448, 74.2712, 28.4766 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(249, 223, 120) }
```


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

```
.border{ border-color:rgb(249, 223, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 223, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 223, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 223, 120);  
box-shadow:4px 4px 4px 4px rgb(249, 223,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8448, 74.2712, 28.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 223, 120) }
```

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

```
.background{ background-color: rgb(249,  
223, 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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