

Converting Colors

XYZ(125.0474, 100.0000,
30.7220)

Have a look what the booklet for
XYZ(125.0474, 100.0000, 30.7220)
contains.

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Color

**XYZ(68.9916, 71.2414,
28.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD779
RGB	255, 215, 121
RGB Percent	100%, 84%, 47%
CMY	0.0000, 0.1568, 0.5255
CMYK	0.00, 0.16, 0.53, 0.00
HSL	42°, 100%, 74%
HSV	42°, 53%, 100%
XYZ	68.9916, 71.2414, 28.2039
YIQ	216.2440, 54.0140, -20.7540

Conversions

Conversions Part 2

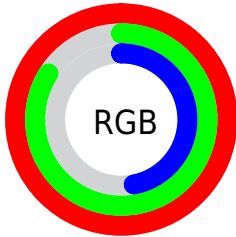
Format	Color
RYB	178, 255, 121
Decimal	16766841
CIELab	87.60, 2.79, 51.13
CIELCh	88, 51.210, 86.873
Yxy	71.2414, 0.4096, 0.4230
Android (android.graphics.Color)	4294956921 (0xFFFFD779)
YUV	216.2440, -46.9553, 33.9890
Hunter-Lab	84.4046, -1.8037, 39.2714

Details

The XYZ color **68.9916, 71.2414, 28.2039** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.6795, 36.7732, 99.6665**, and the grayscale version is **65.7226, 69.1453, 75.2993**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **36.4099, 37.3070, 10.9122** is the 20% darker color. If you saturate the color by 10%, you get **65.7372, 66.9131, 20.3975**, and if you desaturate by 10%, it is **72.7529, 75.9221, 38.2195**.

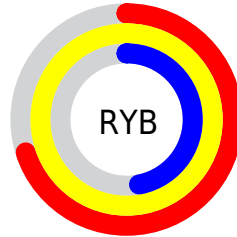
Distribution



Red (100%)

Green (84%)

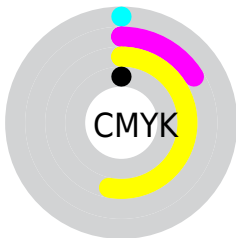
Blue (47%)



Red (70%)

Yellow (100%)

Blue (47%)

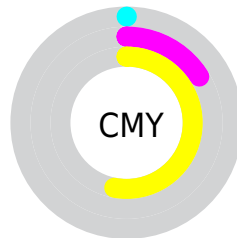


Cyan (0%)

Magenta (16%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9916, 71.2414, 28.2039 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 68.9916, 71.2414, 28.2039 by changing the saturation by 10% instead.

68.9916, 71.2414,
28.2039

68.9916, 71.2414,
28.2039

446.3232,
464.8969, 307.3825

50.9815, 52.5392,
18.2390

116.8037,
120.9774, 57.8368

36.4149, 37.4351,
10.9505

147.3364,
152.7800, 78.3420

24.9264, 25.5445,
5.9198

182.7740,
189.7182, 103.1976

16.1506, 16.4832,
2.7284

223.4819,
232.1764, 132.8223

9.7223, 9.8667,
0.9577

269.8254,
280.5389, 167.6346

5.2761, 5.3107,
0.0000

322.1699,

2.4466, 2.4307,

335.1903, 208.0531

0.0000

380.8807,
396.5148, 254.4962

■ 0.8684, 0.8416,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9916, 71.2414,
28.2039

■ 68.9916, 71.2414,
28.2039

■ 65.7372, 66.9131,
20.3975

■ 72.7529, 75.9221,
38.2195

■ 62.9500, 62.9114,
14.6201

■ 77.0468, 80.9593,
50.5970

■ 60.5919, 59.2216,
10.6701

■ 81.9032, 86.3695,
65.4800

■ 58.6152, 55.8227,
8.3017

■ 87.3480, 92.1649,
82.9997

■ 57.3383, 53.4570,
7.2962

■ 93.4054, 98.3571,
103.2780

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.



81.2580, 71.2414, 34.0392



68.9916, 71.2414, 28.2039



57.7196, 71.2414, 31.9804

Triad

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



68.9916, 71.2414, 28.2039



48.9865, 71.2414, 111.8024



89.1549, 71.2414, 120.0403

Complementary

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



68.9916, 71.2414, 28.2039



38.6795, 36.7732, 99.6665

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.



78.7976, 71.2414, 153.5965



68.9916, 71.2414, 28.2039



55.7633, 71.2414, 147.9287

Square

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



68.9916, 71.2414, 28.2039



47.0143, 71.2414, 73.9869



66.4499, 71.2414, 165.0748



93.7382, 71.2414, 81.2665

Rectangle

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



68.9916, 71.2414, 28.2039



52.0945, 71.2414, 40.3165



66.4499, 71.2414, 165.0748



86.1770, 71.2414, 132.7001

Sweetspot

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



68.9933, 71.2448, 28.2053



85.4008, 90.1205, 76.6462



54.5283, 37.5156, 38.1788



18.0380, 19.0333, 15.6275



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.



68.9933, 71.2448, 28.2053



65.6017, 66.7256, 20.0939



71.2696, 89.4269, 31.5949



19.0766, 20.1215, 19.0227



30.0974, 28.2059, 3.8580



3.0260, 2.9373, 0.4075

Inverse Universe

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



38.6795, 36.7732, 99.6665



32.4194, 29.0529, 98.5068



37.0646, 27.1728, 97.8986



17.4449, 18.2613, 22.8553



10.8986, 6.7068, 50.1547



1.1516, 0.8340, 4.9135

Previews

White Background



This preview shows how the XYZ color 68.9916, 71.2414, 28.2039 looks on a white background.

Color Contrast Check

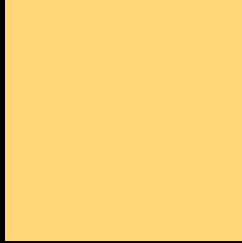
Large Text (above 18pt) WCAG AA × Fail

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 68.9916, 71.2414, 28.2039 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 68.9916, 71.2414, 28.2039

Background



This preview shows how black text looks on a background with the XYZ color 68.9916, 71.2414, 28.2039.



This preview shows how white text looks on a background with the XYZ color 68.9916, 71.2414,

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

68.9916, 71.2414, 28.2039

Protanopia

65.4440, 71.3172, 29.0552

Deuteranopia

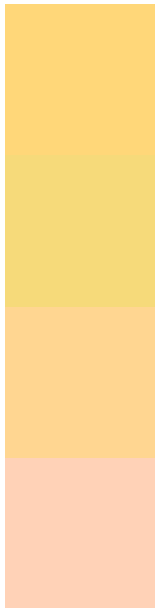
71.2923, 71.3517, 42.8156



Tritanopia

76.3390, 71.0001, 76.6987

Trichromacy



Original Color

68.9916, 71.2414, 28.2039

Protanomaly

66.5903, 71.1408, 28.6342

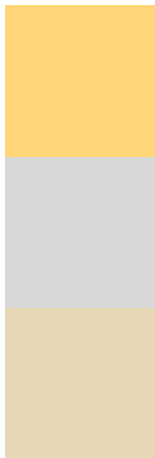
Deuteranomaly

70.3974, 71.3975, 36.8588

Tritanomaly

72.8338, 70.7721, 54.6214

Monochromacy



Original Color

68.9916, 71.2414, 28.2039

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.5295, 69.2709, 53.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9916, 71.2414, 28.2039 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, 215, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 121)  
}
```

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, 215, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 121) }
```

Border

The CSS property to change the border of an element to XYZ 68.9916, 71.2414, 28.2039 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, 215, 121) }
```


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

```
.border{ border-color:rgb(255, 215, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9916, 71.2414, 28.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 121) }
```

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

```
.background{ background-color: rgb(255,  
215, 121) }
```

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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