

Converting Colors

XYZ(70.8819, 74.1641, 29.3351)

Have a look what the booklet for
XYZ(70.8819, 74.1641, 29.3351)
contains.

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Color

**XYZ(70.4084, 73.8765,
29.2876)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC7B
RGB	255, 220, 123
RGB Percent	100%, 86%, 48%
CMY	0.0000, 0.1372, 0.5176
CMYK	0.00, 0.14, 0.52, 0.00
HSL	44°, 100%, 74%
HSV	44°, 52%, 100%
XYZ	70.4084, 73.8765, 29.2876
YIQ	219.4070, 51.9970, -22.7470

Conversions

Conversions Part 2

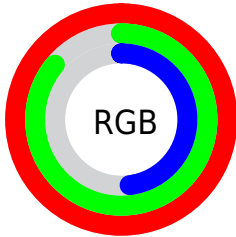
Format	Color
RYB	171, 255, 123
Decimal	16768123
CIELab	88.86, 0.41, 51.70
CIElCh	89, 51.698, 89.546
Yxy	73.8765, 0.4056, 0.4256
Android (android.graphics.Color)	4294958203 (0xFFFFDC7B)
YUV	219.4070, -47.5287, 31.2151
Hunter-Lab	85.9514, -4.1941, 39.9632

Details

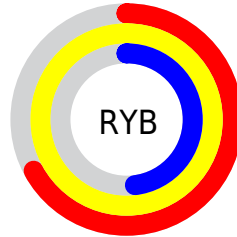
The XYZ color **70.4084, 73.8765, 29.2876** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4449, 35.8835, 99.5074**, and the grayscale version is **67.9110, 71.4477, 77.8065**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **37.3574, 39.1010, 11.5395** is the 20% darker color. If you saturate the color by 10%, you get **67.2774, 69.8450, 21.3681**, and if you desaturate by 10%, it is **74.0304, 78.2247, 39.4232**.

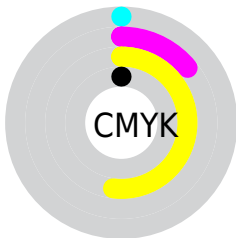
Distribution



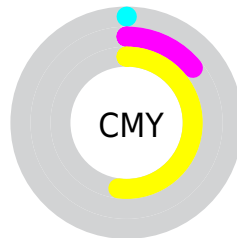
- Red (100%)
- Green (86%)
- Blue (48%)



- Red (67%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (14%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4084, 73.8765, 29.2876 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 70.4084, 73.8765, 29.2876 by changing the saturation by 10% instead.

 70.4084, 73.8765,
29.2876

 70.4084, 73.8765,
29.2876


451.2267,
474.0470, 312.6728


 52.1403, 54.6930,
19.0510


 118.8141,
124.7207, 59.5813

 37.3417, 39.1560,
11.5300


 149.6824,
157.1502, 80.4756

 25.6470, 26.8811,
6.3059

 185.4815,
194.7638, 105.7595

 16.6911, 17.4839,
2.9602

226.5768,
237.9459, 135.8516

 10.1084, 10.5801,
1.0743

273.3337,
287.0808, 171.1705

 5.5337, 5.7853,
0.0000

326.1173,

 2.6016, 2.7149,

342.5531, 212.1346

0.0000

385.2933,
404.7470, 259.1625

■ 0.9468, 0.9848,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4084, 73.8765,
29.2876

■ 70.4084, 73.8765,
29.2876

■ 67.2774, 69.8450,
21.3681

■ 74.0304, 78.2247,
39.4232

■ 64.5983, 66.1050,
15.4862

■ 78.1685, 82.8927,
51.9258

■ 62.3339, 62.6430,
11.4430

■ 82.8519, 87.8963,
66.9383

■ 60.4377, 59.4390,
8.9971

■ 88.1061, 93.2468,
84.5909

■ 59.0948, 56.9697,
7.8816

■ 93.9549, 98.9552,
105.0046

■ 95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



83.1507, 73.8765, 34.4135



70.4084, 73.8765, 29.2876



58.9937, 73.8765, 34.1041

Triad

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



70.4084, 73.8765, 29.2876



51.2733, 73.8765, 119.4893



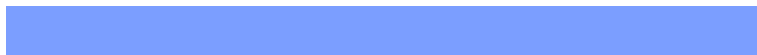
93.1022, 73.8765, 120.7259

Complementary

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



70.4084, 73.8765, 29.2876



38.4449, 35.8835, 99.5074

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.



82.7813, 73.8765, 156.6392



70.4084, 73.8765, 29.2876



58.6999, 73.8765, 155.7885

Square

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



70.4084, 73.8765, 29.2876



48.7750, 73.8765, 79.8937



70.0267, 73.8765, 171.0492



97.1710, 73.8765, 80.9867

Rectangle

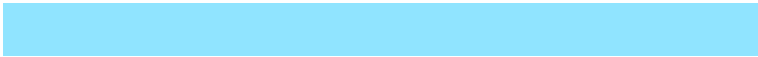
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4084, 73.8765, 29.2876



53.4331, 73.8765, 43.4604



70.0267, 73.8765, 171.0492



90.1929, 73.8765, 134.0303

Sweetspot

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



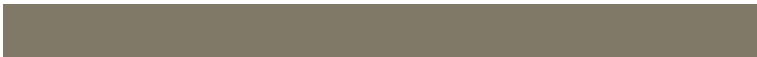
70.4102, 73.8800, 29.2891



85.8092, 90.9373, 76.7823



54.5122, 37.9022, 36.8817



18.1359, 19.2290, 15.6602



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.



70.4102, 73.8800, 29.2891



67.2091, 69.7535, 21.2063



70.1379, 88.8293, 32.1889



19.1299, 20.2280, 19.0405



31.0073, 30.0257, 4.1613



3.1086, 3.1026, 0.4350

Inverse Universe

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



38.4449, 35.8835, 99.5074



32.1747, 28.1670, 98.3487



38.4221, 28.2372, 98.0327



17.3946, 18.1608, 22.8385



10.6023, 6.1142, 50.0559



1.1172, 0.7651, 4.9021

Previews

White Background



This preview shows how the XYZ color 70.4084, 73.8765, 29.2876 looks on a white background.

Color Contrast Check

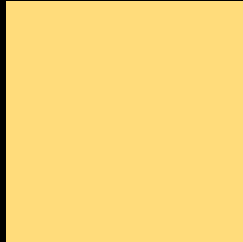
Large Text (above 18pt) WCAG AA × Fail

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 70.4084, 73.8765, 29.2876 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 70.4084, 73.8765, 29.2876

Background



This preview shows how black text looks on a background with the XYZ color 70.4084, 73.8765, 29.2876.



This preview shows how white text looks on a background with the XYZ color 70.4084, 73.8765,

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

70.4084, 73.8765, 29.2876

Protanopia

67.6820, 73.6431, 29.7161

Deuteranopia

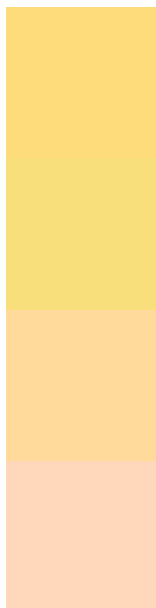
73.4035, 73.8260, 48.9091



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

70.4084, 73.8765, 29.2876

Protanomaly

68.8263, 73.8375, 29.6933

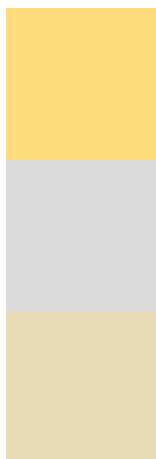
Deuteranomaly

72.1441, 73.7359, 41.0019

Tritanomaly

74.5101, 73.4487, 57.2636

Monochromacy



Original Color

70.4084, 73.8765, 29.2876

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.2620, 71.2795, 55.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4084, 73.8765, 29.2876 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, 220, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 123)  
}
```

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, 220, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 123) }
```

Border

The CSS property to change the border of an element to XYZ 70.4084, 73.8765, 29.2876 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, 220, 123) }
```


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

```
.border{ border-color:rgb(255, 220, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4084, 73.8765, 29.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 123) }
```

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

```
.background{ background-color: rgb(255,  
220, 123) }
```

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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