

Converting Colors

XYZ(69.0350, 70.6684, 30.2526)

Have a look what the booklet for
XYZ(69.0350, 70.6684, 30.2526)
contains.

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Color

**XYZ(69.1828, 70.9116,
30.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD680
RGB	255, 214, 128
RGB Percent	100%, 84%, 50%
CMY	0.0000, 0.1608, 0.4980
CMYK	0.00, 0.16, 0.50, 0.00
HSL	41°, 100%, 75%
HSV	41°, 50%, 100%
XYZ	69.1828, 70.9116, 30.4631
YIQ	216.4550, 52.0420, -18.0540

Conversions

Conversions Part 2

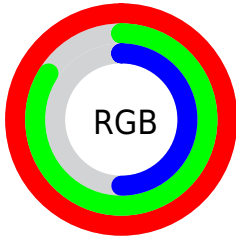
Format	Color
R _Y B	189, 255, 128
Decimal	16766592
CIE Lab	87.44, 3.90, 47.54
CIE LCh	87, 47.700, 85.312
Yxy	70.9116, 0.4056, 0.4158
Android (android.graphics.Color)	4294956672 (0xFFFFD680)
YUV	216.4550, -43.6083, 33.8040
Hunter-Lab	84.2090, -0.7173, 37.4978

Details

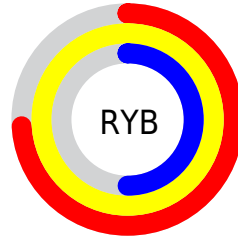
The XYZ color **69.1828, 70.9116, 30.4631** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.1395, 40.1836, 100.1953**, and the grayscale version is **65.8457, 69.2748, 75.4403**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **36.6403, 37.3992, 12.1251** is the 20% darker color. If you saturate the color by 10%, you get **65.6804, 66.2638, 22.0299**, and if you desaturate by 10%, it is **73.2156, 75.9453, 41.1551**.

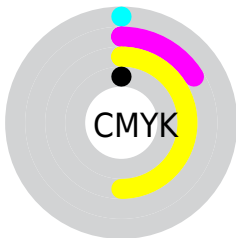
Distribution



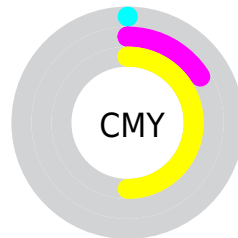
- Red (100%)
- Green (84%)
- Blue (50%)



- Red (74%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1828, 70.9116, 30.4631 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 69.1828, 70.9116, 30.4631 by changing the saturation by 10% instead.

69.1828, 70.9116,
30.4631

69.1828, 70.9116,
30.4631

446.9867,
463.7444, 318.3314

51.1378, 52.2701,
19.9353

117.0753,
120.5078, 61.4634

36.5398, 37.2204,
12.1644

147.6534,
152.2313, 82.7730

25.0234, 25.3782,
6.7319

183.1400,
189.0843, 108.5137

16.2233, 16.3590,
3.2191

223.9004,
231.4510, 139.1039

9.7742, 9.7786,
1.2076

270.2999,
279.7160, 174.9623

5.3106, 5.2524,
0.0000

322.7039,

2.4672, 2.3961,

334.2637, 216.5073

0.0000

381.4777,
395.4783, 264.1575

■ 0.8788, 0.8239,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.1828, 70.9116,
30.4631

■ 69.1828, 70.9116,
30.4631

■ 65.6804, 66.2638,
22.0299

■ 73.2156, 75.9453,
41.1551

■ 62.6696, 61.9760,
15.6812

■ 77.8042, 81.3695,
54.2543

■ 60.1136, 58.0336,
11.2237

■ 82.9780, 87.2010,
69.9013

■ 57.9669, 54.4158,
8.4256

■ 88.7627, 93.4524,
88.2245

■ 56.1577, 51.0912, 95.0498, 99.9999,
6.9162 108.9000

■ 56.1238, 51.0279,
6.8913

Harmonies

Analogous

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



80.4747, 70.9116, 36.6522



69.1828, 70.9116, 30.4631



58.5675, 70.9116, 33.6566

Triad

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



69.1828, 70.9116, 30.4631



49.6749, 70.9116, 106.8417



86.7966, 70.9116, 118.1060

Complementary

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



69.1828, 70.9116, 30.4631



41.1395, 40.1836, 100.1953

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.



77.0772, 70.9116, 147.8451



69.1828, 70.9116, 30.4631



55.8231, 70.9116, 140.1741

Square

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



69.1828, 70.9116, 30.4631



48.0573, 70.9116, 72.2573



65.6468, 70.9116, 156.8747



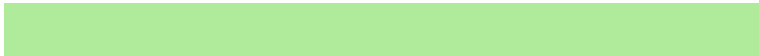
91.3388, 70.9116, 82.3854

Rectangle

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



69.1828, 70.9116, 30.4631



53.1606, 70.9116, 41.3246



65.6468, 70.9116, 156.8747



83.9774, 70.9116, 129.4853

Sweetspot

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



69.1845, 70.9150, 30.4645



85.6788, 90.1507, 78.3603



56.2468, 39.6139, 42.8783



18.0813, 19.0163, 15.9612



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.



69.1845, 70.9150, 30.4645



65.6167, 66.1761, 21.8853



73.5333, 90.5425, 34.0238



19.0379, 20.0441, 19.0098



29.4673, 26.9459, 3.6480



2.9683, 2.8219, 0.3882

Inverse Universe

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



41.1395, 40.1836, 100.1953



34.6584, 32.3026, 99.0161



38.1947, 29.0644, 98.2043



17.4817, 18.3350, 22.8676



11.1397, 7.1889, 50.2351



1.1788, 0.8883, 4.9226

Previews

White Background



This preview shows how the XYZ color 69.1828, 70.9116, 30.4631 looks on a white background.

Color Contrast Check

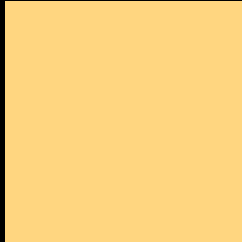
Large Text (above 18pt) WCAG AA × Fail

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 69.1828, 70.9116, 30.4631 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 69.1828, 70.9116, 30.4631

Background



This preview shows how black text looks on a background with the XYZ color 69.1828, 70.9116, 30.4631.



This preview shows how white text looks on a background with the XYZ color 69.1828, 70.9116,

30.4631.

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

69.1828, 70.9116, 30.4631

Protanopia

65.2960, 70.8000, 31.3434

Deuteranopia

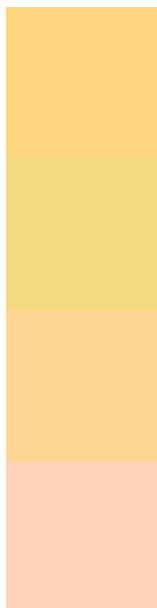
71.0415, 70.8502, 42.7320



Tritanopia

76.3390, 71.0001, 76.6987

Trichromacy



Original Color

69.1828, 70.9116, 30.4631

Protanomaly

66.4315, 70.6232, 30.8992

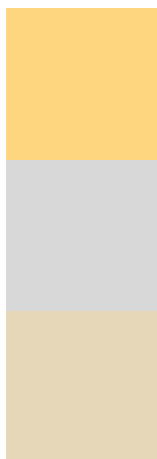
Deuteranomaly

70.3795, 70.9866, 38.0094

Tritanomaly

73.1495, 70.8984, 56.2837

Monochromacy



Original Color

69.1828, 70.9116, 30.4631

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.5853, 68.8846, 55.1867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1828, 70.9116, 30.4631 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, 214, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 128)  
}
```

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, 214, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 128) }
```

Border

The CSS property to change the border of an element to XYZ 69.1828, 70.9116, 30.4631 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, 214, 128) }
```


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

```
.border{ border-color:rgb(255, 214, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1828, 70.9116, 30.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 128) }
```

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

```
.background{ background-color: rgb(255,  
214, 128) }
```

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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