

Converting Colors

XYZ(68.1952, 70.0045, 26.8408)

Have a look what the booklet for
XYZ(68.1952, 70.0045, 26.8408)
contains.

XYZ(68.2451, 70.1329, 26.7697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.2451, 70.1329,
26.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD575
RGB	255, 213, 117
RGB Percent	100%, 84%, 46%
CMY	0.0000, 0.1647, 0.5412
CMYK	0.00, 0.16, 0.54, 0.00
HSL	42°, 100%, 73%
HSV	42°, 54%, 100%
XYZ	68.2451, 70.1329, 26.7697
YIQ	214.6140, 55.8480, -20.9520

Conversions

Conversions Part 2

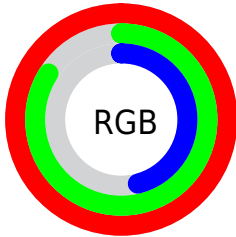
Format	Color
RYB	177, 255, 117
Decimal	16766325
CIELab	87.06, 3.50, 52.40
CIELCh	87, 52.517, 86.184
Yxy	70.1329, 0.4132, 0.4247
Android (android.graphics.Color)	4294956405 (0xFFFFD575)
YUV	214.6140, -48.1237, 35.4185
Hunter-Lab	83.7454, -1.0927, 39.6694

Details

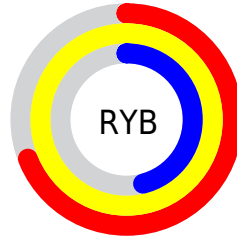
The XYZ color **68.2451, 70.1329, 26.7697** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.7837, 35.7967, 99.5252**, and the grayscale version is **64.6204, 67.9857, 74.0364**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **36.1172, 36.9137, 10.2225** is the 20% darker color. If you saturate the color by 10%, you get **65.0404, 65.8049, 19.2852**, and if you desaturate by 10%, it is **71.9549, 74.8177, 36.4383**.

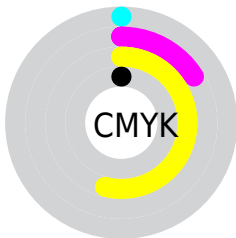
Distribution



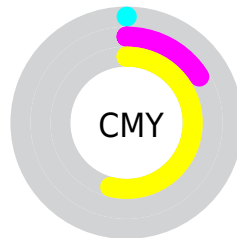
- Red (100%)
- Green (84%)
- Blue (46%)



- Red (69%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2451, 70.1329, 26.7697 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 68.2451, 70.1329, 26.7697 by changing the saturation by 10% instead.

68.2451, 70.1329,
26.7697

68.2451, 70.1329,
26.7697

443.7270,
461.0165, 300.2651

50.3716, 51.6349,
17.1694

115.7427,
119.3983, 55.5133

35.9277, 36.7141,
10.1921

146.0975,
150.9344, 75.4938

24.5482, 24.9862,
5.4193

181.3433,
187.5854, 99.7713

15.8677, 16.0668,
2.4323

221.8457,
229.7356, 128.7646

9.5209, 9.5714,
0.8039

267.9699,
277.7694, 162.8920

5.1423, 5.1157,
0.0000

320.0813,

2.3666, 2.3153,

332.0712, 202.5723

0.0000

378.5452,
393.0255, 248.2238

■ 0.8284, 0.7818,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2451, 70.1329,
26.7697

■ 68.2451, 70.1329,
26.7697

■ 65.0404, 65.8049,
19.2852

■ 71.9549, 74.8177,
36.4383

■ 62.3004, 61.8076,
13.8012

■ 76.1962, 79.8639,
48.4463

■ 59.9859, 58.1257,
10.1104

■ 80.9994, 85.2882,
62.9396

■ 58.0475, 54.7373,
7.9580

■ 86.3906, 91.1032,
80.0509

■ 57.0416, 52.8636,
7.1973

■ 92.3945, 97.3205,
99.9034

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.



80.7010, 70.1329, 32.7923



68.2451, 70.1329, 26.7697



56.7621, 70.1329, 30.2936

Triad

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



68.2451, 70.1329, 26.7697



47.6150, 70.1329, 110.3043



88.2935, 70.1329, 120.5816

Complementary

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



68.2451, 70.1329, 26.7697



37.7837, 35.7967, 99.5252

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.



77.6447, 70.1329, 154.6614



68.2451, 70.1329, 26.7697



54.3487, 70.1329, 147.5593

Square

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



68.2451, 70.1329, 26.7697



45.7434, 70.1329, 71.9446



65.0981, 70.1329, 165.8003



93.1401, 70.1329, 80.9583

Rectangle

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



68.2451, 70.1329, 26.7697



51.0142, 70.1329, 38.4238



65.0981, 70.1329, 165.8003



85.2145, 70.1329, 133.4860

Sweetspot

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



68.2468, 70.1362, 26.7711



85.3296, 89.9781, 76.6225



54.0081, 36.5458, 37.7879



18.0210, 18.9991, 15.6218



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.



68.2468, 70.1362, 26.7711



64.7804, 65.4389, 18.7230



71.5077, 89.5774, 30.3518



19.0673, 20.1029, 19.0196



29.9435, 27.8982, 3.8067



3.0119, 2.9092, 0.4028

Inverse Universe

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



37.7837, 35.7967, 99.5252



31.5264, 28.0213, 98.3548



35.6187, 25.7207, 97.6945



17.4537, 18.2790, 22.8582



10.9545, 6.8187, 50.1734



1.1580, 0.8467, 4.9157

Previews

White Background



This preview shows how the XYZ color 68.2451, 70.1329, 26.7697 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 68.2451, 70.1329, 26.7697 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 68.2451, 70.1329, 26.7697

Background



This preview shows how black text looks on a background with the XYZ color 68.2451, 70.1329, 26.7697.



This preview shows how white text looks on a background with the XYZ color 68.2451, 70.1329,

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

68.2451, 70.1329, 26.7697

Protanopia

64.3364, 70.0000, 27.5732

Deuteranopia

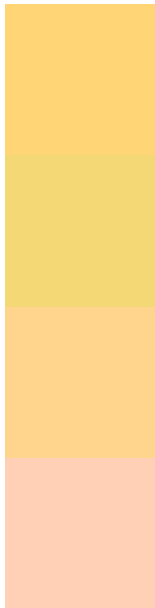
70.2840, 70.1484, 39.9726



Tritanopia

75.5957, 69.9324, 75.1596

Trichromacy



Original Color

68.2451, 70.1329, 26.7697

Protanomaly

65.4821, 69.8322, 27.1672

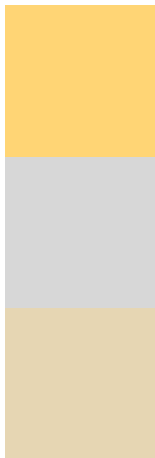
Deuteranomaly

69.5171, 70.2404, 34.7048

Tritanomaly

72.1364, 69.7079, 53.3690

Monochromacy



Original Color

68.2451, 70.1329, 26.7697

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.8164, 68.1708, 52.3899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2451, 70.1329, 26.7697 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, 213, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 117)  
}
```

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, 213, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 117) }
```

Border

The CSS property to change the border of an element to XYZ 68.2451, 70.1329, 26.7697 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, 213, 117) }
```


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

```
.border{ border-color:rgb(255, 213, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2451, 70.1329, 26.7697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 117) }
```

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

```
.background{ background-color: rgb(255,  
213, 117) }
```

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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