

Converting Colors

XYZ(68.6991, 69.5145, 31.6266)

Have a look what the booklet for
XYZ(68.6991, 69.5145, 31.6266)
contains.

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Color

**XYZ(68.6991, 69.5145,
31.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD384
RGB	255, 211, 132
RGB Percent	100%, 83%, 52%
CMY	0.0000, 0.1725, 0.4823
CMYK	0.00, 0.17, 0.48, 0.00
HSL	39°, 100%, 76%
HSV	39°, 48%, 100%
XYZ	68.6991, 69.5145, 31.6266
YIQ	215.1500, 51.5830, -15.2410

Conversions

Conversions Part 2

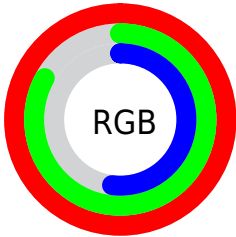
Format	Color
R _Y B	201, 255, 132
Decimal	16765828
CIE Lab	86.76, 5.80, 44.72
CIE LCh	87, 45.091, 82.615
Yxy	69.5145, 0.4045, 0.4093
Android (android.graphics.Color)	4294955908 (0xFFFFD384)
YUV	215.1500, -40.9929, 34.9485
Hunter-Lab	83.3754, 1.1724, 35.8724

Details

The XYZ color **68.6991, 69.5145, 31.6266** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.0904, 43.1745, 100.6698**, and the grayscale version is **64.9390, 68.3209, 74.4015**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **36.3071, 36.4438, 12.9053** is the 20% darker color. If you saturate the color by 10%, you get **64.9614, 64.4986, 22.7987**, and if you desaturate by 10%, it is **72.9953, 74.9647, 42.7460**.

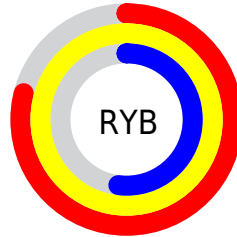
Distribution



Red (100%)

Green (83%)

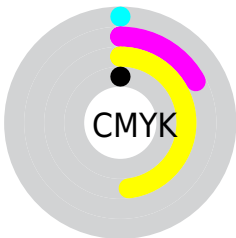
Blue (52%)



Red (79%)

Yellow (100%)

Blue (52%)

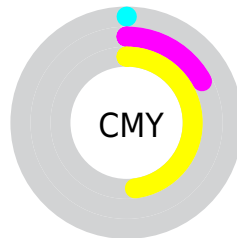


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6991, 69.5145, 31.6266 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 68.6991, 69.5145, 31.6266 by changing the saturation by 10% instead.


 68.6991, 69.5145,
31.6266

 68.6991, 69.5145,
31.6266


445.3070,
458.8435, 323.8549


 50.7424, 51.1308,
20.8140


 116.3881,
118.5161, 63.3163

 36.2239, 36.3127,
12.7982


 146.8512,
149.9029, 85.0306

 24.7781, 24.6758,
7.1606


 182.2138,
186.3928, 111.2158

 16.0396, 15.8357,
3.4828

222.8413,
228.3703, 142.2904

 9.6432, 9.4080,
1.3461

269.0990,
276.2197, 178.6731

 5.2235, 5.0082,
0.0992

321.3522,

 2.4151, 2.2521,

330.3254, 220.7824

0.0000

379.9665,
391.0719, 269.0368

■ 0.8526, 0.7482,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6991, 69.5145,
31.6266

■ 68.6991, 69.5145,
31.6266

■ 64.9614, 64.4986,
22.7987

■ 72.9953, 74.9647,
42.7460

■ 61.7433, 59.8903,
16.0908

■ 77.8753, 80.8549,
56.3031

■ 59.0083, 55.6742,
11.3140

■ 83.3689, 87.2027,
72.4368

■ 56.7117, 51.8287,
8.2434

■ 89.5020, 94.0218,
91.2743

■ 54.7925, 48.3258, 95.0498, 99.9999,
6.5692 108.9000

■ 54.4783, 47.7368,
6.3428

Harmonies

Analogous

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



79.0961, 69.5145, 38.4306



68.6991, 69.5145, 31.6266



58.6117, 69.5145, 33.8945

Triad

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



68.6991, 69.5145, 31.6266



49.1400, 69.5145, 100.1581



83.4369, 69.5145, 116.4789

Complementary

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



68.6991, 69.5145, 31.6266



43.0904, 43.1745, 100.6698

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.



74.1387, 69.5145, 142.5506



68.6991, 69.5145, 31.6266



54.5614, 69.5145, 131.5201

Square

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



68.6991, 69.5145, 31.6266



48.0125, 69.5145, 68.5020



63.5117, 69.5145, 148.6823



88.1710, 69.5145, 83.3629

Rectangle

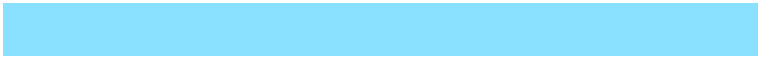
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6991, 69.5145, 31.6266



53.3291, 69.5145, 40.6289



63.5117, 69.5145, 148.6823



80.6972, 69.5145, 126.6809

Sweetspot

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



68.7008, 69.5178, 31.6280



85.8867, 90.0322, 80.0763



57.4373, 40.9414, 46.5232



18.1056, 18.9598, 16.2933



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.



68.7008, 69.5178, 31.6280



65.0431, 64.6117, 22.9807



75.3865, 91.4669, 35.5122



18.9827, 19.9335, 18.9914



28.6125, 25.2363, 3.3630



2.8893, 2.6639, 0.3619

Inverse Universe

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



43.0904, 43.1745, 100.6698



36.6962, 35.4936, 99.5246



38.5871, 30.0566, 98.3751



17.5347, 18.4409, 22.8852



11.5232, 7.9560, 50.3629



1.2208, 0.9723, 4.9366

Previews

White Background



This preview shows how the XYZ color 68.6991, 69.5145, 31.6266 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 68.6991, 69.5145, 31.6266 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 68.6991, 69.5145, 31.6266

Background



This preview shows how black text looks on a background with the XYZ color 68.6991, 69.5145, 31.6266.



This preview shows how white text looks on a background with the XYZ color 68.6991, 69.5145,

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

68.6991, 69.5145, 31.6266

Protanopia

64.0410, 69.3515, 32.5651

Deuteranopia

70.1193, 69.6863, 40.3270



Tritanopia

75.2275, 69.4036, 74.3971

Trichromacy



Original Color

68.6991, 69.5145, 31.6266

Protanomaly

65.8423, 69.5274, 32.1402

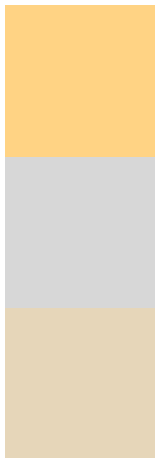
Deuteranomaly

69.4749, 69.4285, 36.9334

Tritanomaly

72.3098, 69.3884, 55.4811

Monochromacy



Original Color

68.6991, 69.5145, 31.6266

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.4367, 68.4189, 55.6562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6991, 69.5145, 31.6266 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, 211, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 132)  
}
```

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, 211, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 132) }
```

Border

The CSS property to change the border of an element to XYZ 68.6991, 69.5145, 31.6266 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, 211, 132) }
```


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

```
.border{ border-color:rgb(255, 211, 132) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6991, 69.5145, 31.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 132) }
```

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

```
.background{ background-color: rgb(255,  
211, 132) }
```

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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