

Converting Colors

XYZ(67.9595, 69.5333, 26.7617)

Have a look what the booklet for
XYZ(67.9595, 69.5333, 26.7617)
contains.

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Color

**XYZ(67.9944, 69.6313,
26.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD475
RGB	255, 212, 117
RGB Percent	100%, 83%, 46%
CMY	0.0000, 0.1686, 0.5412
CMYK	0.00, 0.17, 0.54, 0.00
HSL	41°, 100%, 73%
HSV	41°, 54%, 100%
XYZ	67.9944, 69.6313, 26.6861
YIQ	214.0270, 56.1230, -20.4290

Conversions

Conversions Part 2

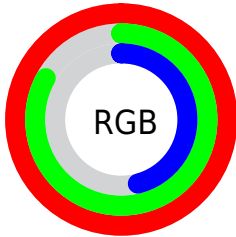
Format	Color
RYB	179, 255, 117
Decimal	16766069
CIELab	86.82, 4.01, 52.11
CIELCh	87, 52.261, 85.602
Yxy	69.6313, 0.4138, 0.4238
Android (android.graphics.Color)	4294956149 (0xFFFFD475)
YUV	214.0270, -47.8343, 35.9333
Hunter-Lab	83.4454, -0.5809, 39.4506

Details

The XYZ color **67.9944, 69.6313, 26.6861** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.9565, 36.1422, 99.5831**, and the grayscale version is **64.2216, 67.5662, 73.5795**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **35.9459, 36.5711, 10.1654** is the 20% darker color. If you saturate the color by 10%, you get **64.7576, 65.2392, 19.1909**, and if you desaturate by 10%, it is **71.7406, 74.3888, 36.3668**.

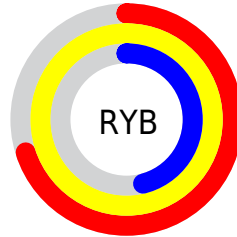
Distribution



Red (100%)

Green (83%)

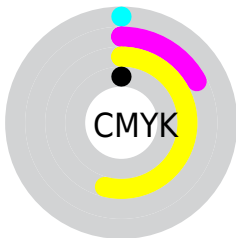
Blue (46%)



Red (70%)

Yellow (100%)

Blue (46%)

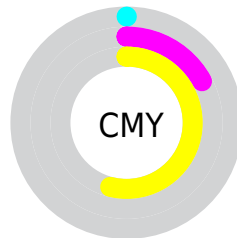


Cyan (0%)

Magenta (17%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.9944, 69.6313, 26.6861 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 67.9944, 69.6313, 26.6861 by changing the saturation by 10% instead.


 67.9944, 69.6313,
26.6861

 67.9944, 69.6313,
26.6861


442.8532,
459.2544, 299.8460

 50.1668, 51.2260,
17.1073


 115.3861,
118.6828, 55.3773

 35.7643, 36.3885,
10.1482

 145.6809,
150.0978, 75.3268

 24.4215, 24.7344,
5.3905


 180.8622,
186.6182, 99.5703

 15.7730, 15.8793,
2.4154

221.2954,
228.6283, 128.5263

 9.4535, 9.4388,
0.7948

267.3457,
276.5126, 162.6133

 5.0976, 5.0285,
0.0000

319.3785,

 2.3400, 2.2640,

330.6555, 202.2499

0.0000

377.7592,
391.4413, 247.8546

■ 0.8150, 0.7545,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9944, 69.6313,
26.6861

■ 67.9944, 69.6313,
26.6861

■ 64.7576, 65.2392,
19.1909

■ 71.7406, 74.3888,
36.3668

■ 61.9898, 61.1862,
13.6976

■ 76.0227, 79.5166,
48.3885

■ 59.6517, 57.4570,
9.9989

■ 80.8712, 85.0316,
62.8969

■ 57.6935, 54.0293,
7.8400

■ 86.3124, 90.9465,
80.0249

■ 56.6780, 52.1361,
7.0760

■ 92.3709, 97.2731,
99.8957

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.



80.3106, 69.6313, 32.8557



67.9944, 69.6313, 26.6861



56.5720, 69.6313, 29.9978

Triad

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



67.9944, 69.6313, 26.6861



47.2335, 69.6313, 108.6395



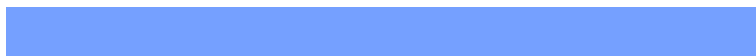
87.4424, 69.6313, 120.3585

Complementary

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



67.9944, 69.6313, 26.6861



37.9565, 36.1422, 99.5831

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.



76.8240, 69.6313, 153.7901



67.9944, 69.6313, 26.6861



53.8167, 69.6313, 145.6958

Square

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



67.9944, 69.6313, 26.6861



45.4751, 69.6313, 70.7894



64.4030, 69.6313, 164.2515



92.3794, 69.6313, 81.0764

Rectangle

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



67.9944, 69.6313, 26.6861



50.8236, 69.6313, 37.9136



64.4030, 69.6313, 164.2515



84.3603, 69.6313, 133.0731

Sweetspot

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



67.9961, 69.6346, 26.6875



85.2413, 89.8015, 76.5931



54.0082, 36.5458, 37.7880



17.9998, 18.9569, 15.6148



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.



67.9961, 69.6346, 26.6875



64.4948, 64.8678, 18.6278



71.5079, 89.5777, 30.3518



19.0558, 20.0798, 19.0158



29.7548, 27.5209, 3.7438



2.9947, 2.8747, 0.3970

Inverse Universe

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



37.9565, 36.1422, 99.5831



31.7025, 28.3734, 98.4135



35.6188, 25.7207, 97.6948



17.4647, 18.3009, 22.8619



11.0257, 6.9609, 50.1971



1.1660, 0.8628, 4.9183

Previews

White Background



This preview shows how the XYZ color 67.9944, 69.6313, 26.6861 looks on a white background.

Color Contrast Check

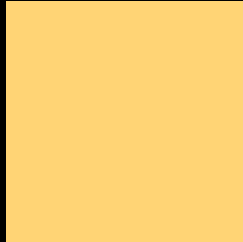
Large Text (above 18pt) WCAG AA × Fail

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 67.9944, 69.6313, 26.6861 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 67.9944, 69.6313, 26.6861

Background



This preview shows how black text looks on a background with the XYZ color 67.9944, 69.6313, 26.6861.



This preview shows how white text looks on a background with the XYZ color 67.9944, 69.6313,

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

67.9944, 69.6313, 26.6861

Protanopia

63.9978, 69.8254, 27.5574

Deuteranopia

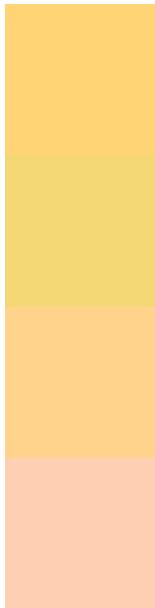
69.8725, 69.5876, 39.0272



Tritanopia

75.2275, 69.4036, 74.3971

Trichromacy



Original Color

67.9944, 69.6313, 26.6861

Protanomaly

65.4821, 69.8322, 27.1672

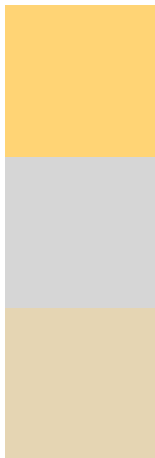
Deuteranomaly

69.1945, 69.7126, 34.2350

Tritanomaly

71.7910, 69.1809, 52.7495

Monochromacy



Original Color

67.9944, 69.6313, 26.6861

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.2440, 67.5012, 52.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9944, 69.6313, 26.6861 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, 212, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 117) }
```

Border

The CSS property to change the border of an element to XYZ 67.9944, 69.6313, 26.6861 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, 212, 117) }
```


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

```
.border{ border-color:rgb(255, 212, 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, 212, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9944, 69.6313, 26.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 117) }
```

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

```
.background{ background-color: rgb(255,  
212, 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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