

Converting Colors

XYZ(109.7740, 90.8751,
28.3328)

Have a look what the booklet for
XYZ(109.7740, 90.8751, 28.3328)
contains.

XYZ(67.6867, 69.1095, 26.2950)	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(67.6867, 69.1095,
26.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD374
RGB	255, 211, 116
RGB Percent	100%, 83%, 45%
CMY	0.0000, 0.1725, 0.5451
CMYK	0.00, 0.17, 0.55, 0.00
HSL	41°, 100%, 73%
HSV	41°, 55%, 100%
XYZ	67.6867, 69.1095, 26.2950
YIQ	213.3260, 56.7190, -20.2170

Conversions

Conversions Part 2

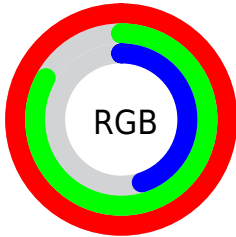
Format	Color
RYB	180, 255, 116
Decimal	16765812
CIELab	86.56, 4.44, 52.28
CIElCh	87, 52.466, 85.143
Yxy	69.1095, 0.4150, 0.4237
Android (android.graphics.Color)	4294955892 (0xFFFFD374)
YUV	213.3260, -47.9817, 36.5481
Hunter-Lab	83.1321, -0.1454, 39.4388

Details

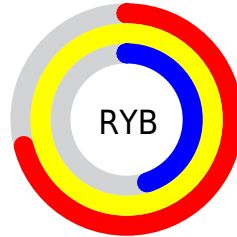
The XYZ color **67.6867, 69.1095, 26.2950** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.8228, 36.0733, 99.5768**, and the grayscale version is **63.7505, 67.0704, 73.0397**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **35.4881, 36.0862, 9.9454** is the 20% darker color. If you saturate the color by 10%, you get **64.4476, 64.6883, 18.8748**, and if you desaturate by 10%, it is **71.4368, 73.9015, 35.8952**.

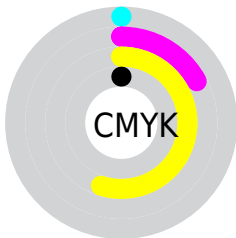
Distribution



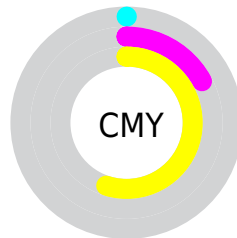
- Red (100%)
- Green (83%)
- Blue (45%)



- Red (71%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6867, 69.1095, 26.2950 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 67.6867, 69.1095, 26.2950 by changing the saturation by 10% instead.


 67.6867, 69.1095,
26.2950

 67.6867, 69.1095,
26.2950


441.7793,
457.4171, 297.8786


 49.9156, 50.8009,
16.8167


 114.9482,
117.9380, 54.7404

 35.5639, 36.0502,
9.9433


 145.1694,
149.2266, 74.5446

 24.2661, 24.4729,
5.2563


 180.2713,
185.6107, 98.6278

 15.6569, 15.6848,
2.3370

220.6193,
227.4747, 127.4086

 9.3710, 9.3014,
0.7519

266.5787,
275.2029, 161.3056

 5.0430, 4.9383,
0.0000

318.5150,

 2.3075, 2.2111,

329.1798, 200.7372

0.0000

376.7934,
389.7897, 246.1221

■ 0.7985, 0.7260,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6867, 69.1095,
26.2950

■ 67.6867, 69.1095,
26.2950

■ 64.4476, 64.6883,
18.8748

■ 71.4368, 73.9015,
35.8952

■ 61.6790, 60.6114,
13.4498

■ 75.7249, 79.0694,
47.8313

■ 59.3412, 56.8632,
9.8115

■ 80.5812, 84.6303,
62.2499

■ 57.3839, 53.4211,
7.7024

■ 86.0326, 90.5969,
79.2840

■ 56.4323, 51.6448,
6.9941

■ 92.1036, 96.9814,
99.0574

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.



79.9805, 69.1095, 32.5813



67.6867, 69.1095, 26.2950



56.2422, 69.1095, 29.4421

Triad

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



67.6867, 69.1095, 26.2950



46.7079, 69.1095, 107.4457



86.8079, 69.1095, 120.3889

Complementary

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



67.6867, 69.1095, 26.2950



37.8228, 36.0733, 99.5768

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.



76.1330, 69.1095, 153.6274



67.6867, 69.1095, 26.2950



53.2059, 69.1095, 144.6801

Square

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



67.6867, 69.1095, 26.2950



45.0299, 69.1095, 69.7186



63.7261, 69.1095, 163.6649



91.8548, 69.1095, 81.0634

Rectangle

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



67.6867, 69.1095, 26.2950



50.4633, 69.1095, 37.2018



63.7261, 69.1095, 163.6649



83.6993, 69.1095, 133.0700

Sweetspot

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



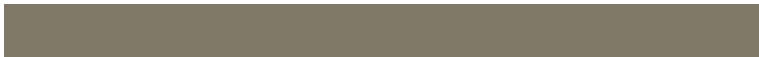
67.6883, 69.1128, 26.2964



85.1811, 89.6811, 76.5730



53.8324, 36.2901, 37.4336



17.9854, 18.9281, 15.6100



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.



67.6883, 69.1128, 26.2964



64.3010, 64.4802, 18.5632



71.3907, 89.5240, 30.0410



19.0479, 20.0640, 19.0131



29.6274, 27.2659, 3.7013



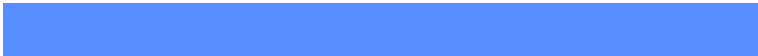
2.9830, 2.8513, 0.3931

Inverse Universe

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



37.8228, 36.0733, 99.5768



31.8238, 28.6162, 98.4539



35.3629, 25.4168, 97.6496



17.4722, 18.3159, 22.8644



11.0753, 7.0603, 50.2136



1.1716, 0.8739, 4.9202

Previews

White Background



This preview shows how the XYZ color 67.6867, 69.1095, 26.2950 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 67.6867, 69.1095, 26.2950 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 67.6867, 69.1095, 26.2950

Background



This preview shows how black text looks on a background with the XYZ color 67.6867, 69.1095, 26.2950.



This preview shows how white text looks on a background with the XYZ color 67.6867, 69.1095,

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

67.6867, 69.1095, 26.2950

Protanopia

63.6795, 69.2844, 27.1565

Deuteranopia

69.3858, 68.9990, 37.6781



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

67.6867, 69.1095, 26.2950

Protanomaly

65.1675, 69.2977, 26.7707

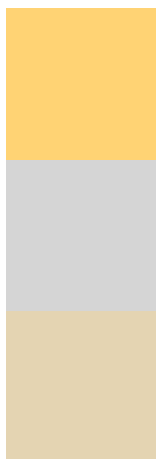
Deuteranomaly

68.7305, 69.1308, 33.0136

Tritanomaly

71.4480, 68.6573, 52.1343

Monochromacy



Original Color

67.6867, 69.1095, 26.2950

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.5743, 66.7953, 51.6615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6867, 69.1095, 26.2950 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 116) }
```

Border

The CSS property to change the border of an element to XYZ 67.6867, 69.1095, 26.2950 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, 116) }
```


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

```
.border{ border-color:rgb(255, 211, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 211, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 211, 116); box-shadow:4px 4px 4px 4px rgb(255, 211, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6867, 69.1095, 26.2950 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
211, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor