

Converting Colors

XYZ(82.0026, 71.9214, 38.2868)

Have a look what the booklet for
XYZ(82.0026, 71.9214, 38.2868)
contains.

XYZ(67.1684, 64.3089, 37.7269) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(67.1684, 64.3089,
37.7269)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC796
RGB	255, 199, 150
RGB Percent	100%, 78%, 59%
CMY	0.0000, 0.2196, 0.4118
CMYK	0.00, 0.22, 0.41, 0.00
HSL	28°, 100%, 79%
HSV	28°, 41%, 100%
XYZ	67.1684, 64.3089, 37.7269
YIQ	210.1580, 49.1050, -3.3670

Conversions

Conversions Part 2

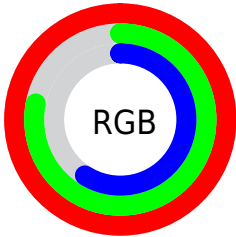
Format	Color
R_{YB}	255, 242, 150
Decimal	16762774
CIE _{Lab}	84.13, 13.78, 32.16
CIE _{LCh}	84, 34.987, 66.802
Yxy	64.3089, 0.3970, 0.3801
Android (android.graphics.Color)	4294952854 (0xFFFFC796)
YUV	210.1580, -29.6579, 39.3264
Hunter-Lab	80.1928, 9.1717, 28.2419

Details

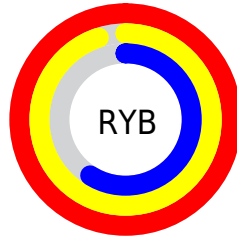
The XYZ color **67.1684, 64.3089, 37.7269** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6980, 57.8443, 102.9950**, and the grayscale version is **61.5299, 64.7342, 70.4956**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.1425, 32.8874, 16.3001** is the 20% darker color. If you saturate the color by 10%, you get **62.3443, 57.5969, 27.0671**, and if you desaturate by 10%, it is **72.7222, 71.7650, 50.8355**.

Distribution



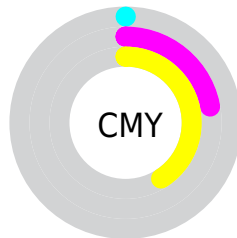
- Red (100%)
- Green (78%)
- Blue (59%)



- Red (100%)
- Yellow (95%)
- Blue (59%)



- Cyan (0%)
- Magenta (22%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1684, 64.3089, 37.7269 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 67.1684, 64.3089, 37.7269 by changing the saturation by 10% instead.


 67.1684, 64.3089,
37.7269

 67.1684, 64.3089,
37.7269


439.9670,
440.3043, 351.7100

 49.4927, 46.9009,
25.4706


 114.2101,
111.0557, 72.8881

 35.2266, 32.9573,
16.2058


 144.3069,
141.1633, 96.6301

 24.0048, 22.0938,
9.5140


179.2747,
176.2728, 125.0378

 15.4620, 13.9258,
4.9766

219.4789,
216.7688, 158.5297

 9.2327, 8.0691,
2.1750

265.2849,
263.0355, 197.5243

 4.9516, 4.1392,
0.6599

317.0580,

 2.2533, 1.7517,

315.4574, 242.4402

0.0000

375.1636,
374.4189, 293.6959

0.7706, 0.4568,
0.0000

0.0000, 0.0000,
0.0000

67.1684, 64.3089,
37.7269

67.1684, 64.3089,
37.7269

62.3443, 57.5969,
27.0671

72.7222, 71.7650,
50.8355

58.2084, 51.5935,
18.6955

79.0345, 79.9807,
66.5317

54.7221, 46.2735,
12.4385

86.1382, 88.9824,
84.9484

51.8397, 41.6059,
8.0950

94.0628, 98.7923,
106.2081

■ 49.5078, 37.5562, 95.0499, 99.9999,
5.4244 108.9000

■ 47.8384, 34.4570,
4.1295

Harmonies

Analogous

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



73.8160, 64.3089, 47.4889



67.1684, 64.3089, 37.7269



59.3800, 64.3089, 35.6841

Triad

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



67.1684, 64.3089, 37.7269



47.5191, 64.3089, 75.1856



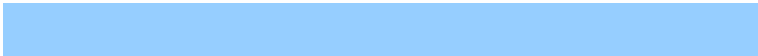
70.4683, 64.3089, 109.9420

Complementary

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



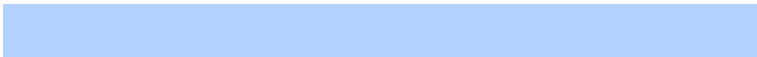
67.1684, 64.3089, 37.7269



52.6980, 57.8443, 102.9950

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.



62.9012, 64.3089, 121.3735



67.1684, 64.3089, 37.7269



49.9766, 64.3089, 98.7468

Square

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



67.1684, 64.3089, 37.7269



48.4529, 64.3089, 54.5543



55.4530, 64.3089, 116.8951



75.8307, 64.3089, 88.1663

Rectangle

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



67.1684, 64.3089, 37.7269



54.6628, 64.3089, 38.4810



55.4530, 64.3089, 116.8951



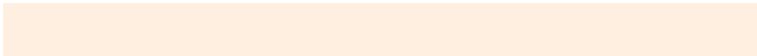
68.0746, 64.3089, 115.3101

Sweetspot

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



67.1700, 64.3120, 37.7282



85.5223, 88.2104, 83.3246



63.2872, 47.5295, 64.2315



18.0987, 18.6211, 17.2925



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.



67.1700, 64.3120, 37.7282



63.3344, 58.9965, 29.1861



81.3985, 92.7690, 42.4710



18.7083, 19.3847, 18.8999



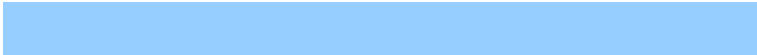
25.1429, 18.2970, 2.2065



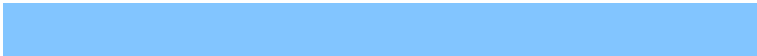
2.5562, 1.9977, 0.2509

Inverse Universe

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



52.6980, 57.8443, 102.9950



47.1579, 51.7585, 102.1126



42.1015, 36.6513, 99.4628



17.8052, 18.9819, 22.9754



14.1818, 13.2732, 51.2491



1.4902, 1.5112, 5.0264

Previews

White Background



This preview shows how the XYZ color 67.1684, 64.3089, 37.7269 looks on a white background.

Color Contrast Check

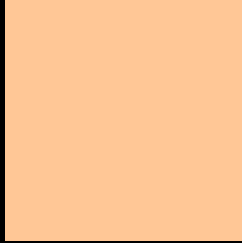
Large Text (above 18pt) WCAG AA × Fail

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 67.1684, 64.3089, 37.7269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

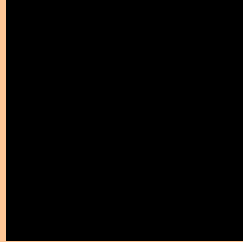
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1684, 64.3089, 37.7269

Background



This preview shows how black text looks on a background with the XYZ color 67.1684, 64.3089, 37.7269.



This preview shows how white text looks on a background with the XYZ color 67.1684, 64.3089,

37.7269.

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

67.1684, 64.3089, 37.7269

Protanopia

60.3270, 64.6285, 40.3053

Deuteranopia

65.8160, 64.2993, 37.7963



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

67.1684, 64.3089, 37.7269

Protanomaly

62.7461, 64.4470, 39.2694

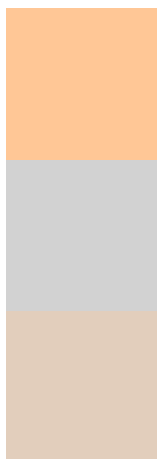
Deuteranomaly

66.3042, 64.2060, 37.7526

Tritanomaly

69.8429, 64.2850, 55.1815

Monochromacy



Original Color

67.1684, 64.3089, 37.7269

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.5124, 63.9422, 56.6243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1684, 64.3089, 37.7269 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, 199, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 150)  
}
```

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, 199, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 150) }
```

Border

The CSS property to change the border of an element to XYZ 67.1684, 64.3089, 37.7269 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, 199, 150) }
```


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

```
.border{ border-color:rgb(255, 199, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1684, 64.3089, 37.7269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 150) }
```

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

```
.background{ background-color: rgb(255,  
199, 150) }
```

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