

Converting Colors

XYZ(84.4843, 77.9326, 28.5944)

Have a look what the booklet for
XYZ(84.4843, 77.9326, 28.5944)
contains.

XYZ(68.2347, 69.7274, 27.9515)	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(68.2347, 69.7274,
27.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD479
RGB	255, 212, 121
RGB Percent	100%, 83%, 47%
CMY	0.0000, 0.1686, 0.5255
CMYK	0.00, 0.17, 0.53, 0.00
HSL	41°, 100%, 74%
HSV	41°, 53%, 100%
XYZ	68.2347, 69.7274, 27.9515
YIQ	214.4830, 54.8390, -19.1850

Conversions

Conversions Part 2

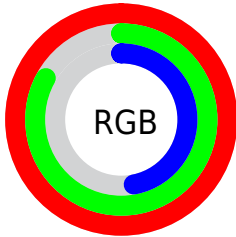
Format	Color
RYB	184, 255, 121
Decimal	16766073
CIELab	86.86, 4.33, 50.24
CIElCh	87, 50.427, 85.074
Yxy	69.7274, 0.4113, 0.4203
Android (android.graphics.Color)	4294956153 (0xFFFFD479)
YUV	214.4830, -46.0871, 35.5334
Hunter-Lab	83.5029, -0.2683, 38.6055

Details

The XYZ color **68.2347, 69.7274, 27.9515** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.2102, 37.8345, 99.8437**, and the grayscale version is **64.5188, 67.8788, 73.9200**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **36.0660, 36.6192, 10.7975** is the 20% darker color. If you saturate the color by 10%, you get **64.8796, 65.1978, 20.1115**, and if you desaturate by 10%, it is **72.1100, 74.6362, 38.0051**.

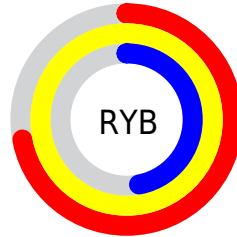
Distribution



Red (100%)

Green (83%)

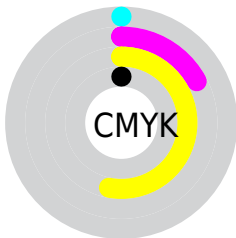
Blue (47%)



Red (72%)

Yellow (100%)

Blue (47%)

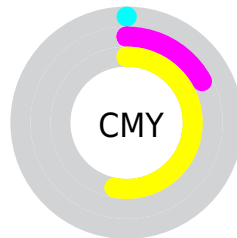


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2347, 69.7274, 27.9515 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 68.2347, 69.7274, 27.9515 by changing the saturation by 10% instead.


 68.2347, 69.7274,
27.9515

 68.2347, 69.7274,
27.9515


443.6908,
459.5923, 306.1397


 50.3631, 51.3043,
18.0504


 115.7279,
118.8199, 57.4292

 35.9209, 36.4509,
10.8163


 146.0802,
150.2582, 77.8428

 24.5430, 24.7826,
5.8309


 181.3234,
186.8036, 102.5977

 15.8638, 15.9152,
2.6754

221.8229,
228.8406, 132.1123

 9.5181, 9.4641,
0.9310

267.9440,
276.7536, 166.8053

 5.1404, 5.0451,
0.0000

320.0522,

 2.3655, 2.2738,

330.9269, 207.0952

0.0000

378.5126,
391.7450, 253.4005

■ 0.8279, 0.7598,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2347, 69.7274,
27.9515

■ 68.2347, 69.7274,
27.9515

■ 64.8796, 65.1978,
20.1115

■ 72.1100, 74.6362,
38.0051

■ 62.0050, 61.0212,
14.3050

■ 76.5318, 79.9292,
50.4252

■ 59.5724, 57.1823,
10.3302

■ 81.5302, 85.6233,
65.3555

■ 57.5337, 53.6594,
7.9412

■ 87.1313, 91.7314,
82.9274

■ 56.2185, 51.2172,
6.9229

■ 93.3597, 98.2654,
103.2627

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



80.0814, 69.7274, 34.2406



68.2347, 69.7274, 27.9515



57.1454, 69.7274, 31.0730

Triad

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



68.2347, 69.7274, 27.9515



47.8295, 69.7274, 106.8057



86.5963, 69.7274, 119.3617

Complementary

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



68.2347, 69.7274, 27.9515



39.2102, 37.8345, 99.8437

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.



76.3260, 69.7274, 150.9832



68.2347, 69.7274, 27.9515



54.1522, 69.7274, 142.3581

Square

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



68.2347, 69.7274, 27.9515



46.2011, 69.7274, 70.4946



64.3508, 69.7274, 160.4471



91.4522, 69.7274, 81.6196

Rectangle

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



68.2347, 69.7274, 27.9515



51.5183, 69.7274, 38.7558



64.3508, 69.7274, 160.4471



83.6078, 69.7274, 131.4532

Sweetspot

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



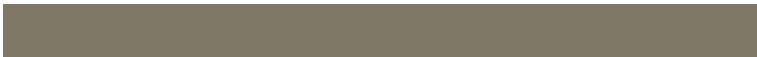
68.2364, 69.7307, 27.9529



85.1283, 89.5755, 76.5554



54.9301, 37.6763, 40.2942



17.9728, 18.9028, 15.6058



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.



68.2364, 69.7307, 27.9529



64.7397, 65.0016, 19.8066



72.7069, 90.1680, 31.6621



19.0410, 20.0502, 19.0108



29.5164, 27.0441, 3.6643



2.9728, 2.8310, 0.3897

Inverse Universe

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



39.2102, 37.8345, 99.8437



32.9647, 30.1436, 98.6886



36.2735, 26.7650, 97.8619



17.4787, 18.3291, 22.8666



11.1197, 7.1490, 50.2284



1.1766, 0.8838, 4.9219

Previews

White Background



This preview shows how the XYZ color 68.2347, 69.7274, 27.9515 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 68.2347, 69.7274, 27.9515 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 68.2347, 69.7274, 27.9515

Background



This preview shows how black text looks on a background with the XYZ color 68.2347, 69.7274, 27.9515.



This preview shows how white text looks on a background with the XYZ color 68.2347, 69.7274,

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

68.2347, 69.7274, 27.9515

Protanopia

64.2432, 69.9236, 28.8495

Deuteranopia

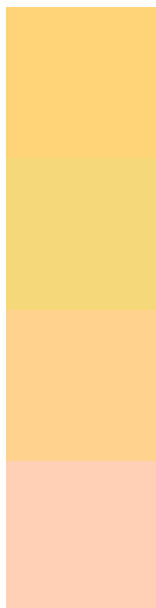
69.9541, 69.6202, 39.4568



Tritanopia

75.3573, 69.4555, 75.0801

Trichromacy



Original Color

68.2347, 69.7274, 27.9515

Protanomaly

65.7249, 69.9294, 28.4460

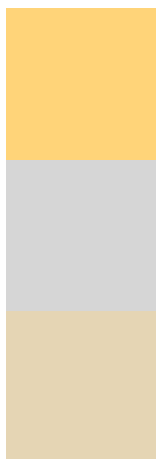
Deuteranomaly

69.3420, 69.7716, 35.0119

Tritanomaly

71.9963, 69.2630, 53.8305

Monochromacy



Original Color

68.2347, 69.7274, 27.9515

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.3456, 67.5418, 52.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2347, 69.7274, 27.9515 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 121) }
```

Border

The CSS property to change the border of an element to XYZ 68.2347, 69.7274, 27.9515 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, 121) }
```


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

```
.border{ border-color:rgb(255, 212, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2347, 69.7274, 27.9515 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, 121) }
```

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

```
.background{ background-color: rgb(255,  
212, 121) }
```

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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