

# Converting Colors

XYZ(68.2201, 52.8007, 82.4703)

Have a look what the booklet for  
XYZ(68.2201, 52.8007, 82.4703)  
contains.

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# Color

**XYZ(68.2172, 52.6810,  
82.1743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEA2E7
RGB	254, 162, 231
RGB Percent	100%, 64%, 91%
CMY	0.0039, 0.3647, 0.0941
CMYK	0.00, 0.36, 0.09, 0.00
HSL	315°, 98%, 82%
HSV	315°, 36%, 100%
XYZ	68.2172, 52.6810, 82.1743
YIQ	197.3740, 32.6830, 40.9630

# Conversions

## Conversions Part 2

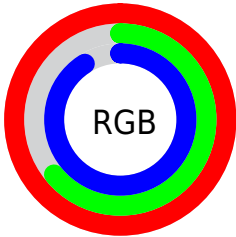
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">254, 162, 231</a>
Decimal	<a href="#">16687847</a>
CIELab	<a href="#">77.69, 43.85, -20.56</a>
CIELCh	<a href="#">78, 48.429, 334.875</a>
Yxy	<a href="#">52.6810, 0.3359, 0.2594</a>
Android (android.graphics.Color)	<a href="#">4294877927</a> (0xFFFEA2E7)
YUV	<a href="#">197.3740, 16.5776, 49.6610</a>
Hunter-Lab	<a href="#">72.5817, 40.7485, -16.3188</a>

# Details

The XYZ color **68.2172, 52.6810, 82.1743** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.1013, 82.0695, 58.6284**, and the grayscale version is **53.1874, 55.9573, 60.9375**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **35.8654, 25.5560, 43.5999** is the 20% darker color. If you saturate the color by 10%, you get **63.3062, 44.2677, 76.1924**, and if you desaturate by 10%, it is **74.0676, 62.9192, 88.6310**.

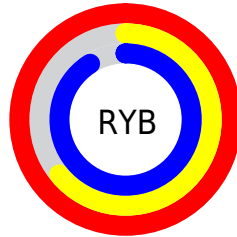
# Distribution



Red (100%)

Green (64%)

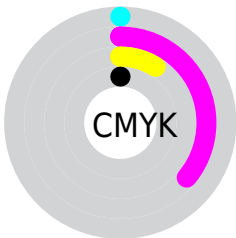
Blue (91%)



Red (100%)

Yellow (64%)

Blue (91%)

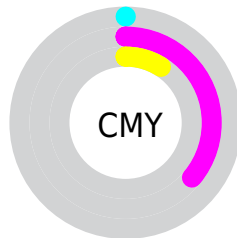


Cyan (0%)

Magenta (36%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2172, 52.6810, 82.1743 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 68.2172, 52.6810, 82.1743 by changing the saturation by 10% instead.




 68.2172, 52.6810,  
82.1743


 68.2172, 52.6810,  
82.1743


443.6299,  
397.0600, 522.1293

 50.3488, 37.5482,  
60.9726


 115.7030, 94.1348,  
138.2573

 35.9095, 25.6322,  
43.7726


 146.0511,  
121.2246, 173.9756

 24.5341, 16.5487,  
30.1559


181.2898,  
153.0688, 215.3699

 15.8572, 9.9132,  
19.7039

221.7845,  
190.0518, 262.8586

 9.5134, 5.3415,  
11.9981

267.9005,  
232.5580, 316.8604

 5.1373, 2.4490,  
6.6198

320.0031,

 2.3636, 0.8509,

280.9719, 377.7937

3.1507

378.4578,  
335.6778, 446.0772

■ 0.8269, 0.0000,  
1.1721

■ 0.0000, 0.0000,  
0.0000

■ 68.2172, 52.6810,  
82.1743

■ 68.2172, 52.6810,  
82.1743

■ 63.3062, 44.2677,  
76.1924

■ 74.0676, 62.9192,  
88.6310

■ 59.2746, 37.5626,  
70.6619

■ 80.9029, 75.0757,  
95.5778

■ 56.0631, 32.4466,  
65.5620

■ 88.7717, 89.2458,  
103.0328

■ 53.6026, 28.7822,  
60.8679

94.6835, 99.8111,  
108.8828

■ 51.8124, 26.4085,  
56.5509

■ 50.5921, 25.1253,  
52.5758

■ 50.2222, 24.8105,  
51.1423

# Harmonies

## Analogous

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



61.0949, 52.6810, 110.9532



68.2172, 52.6810, 82.1743



70.2518, 52.6810, 53.0871

# Triad

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



68.2172, 52.6810, 82.1743



48.5564, 52.6810, 19.7816



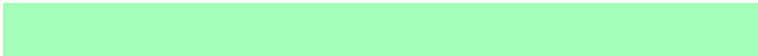
36.6986, 52.6810, 92.2073

# Complementary

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



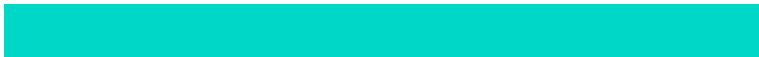
68.2172, 52.6810, 82.1743



59.1013, 82.0695, 58.6284

# 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.



34.1814, 52.6810, 61.8576



68.2172, 52.6810, 82.1743



40.4613, 52.6810, 24.5909

# Square

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



68.2172, 52.6810, 82.1743



58.1170, 52.6810, 22.1815



35.4682, 52.6810, 38.1245



42.8055, 52.6810, 117.8997



# Rectangle

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



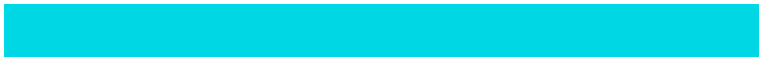
68.2172, 52.6810, 82.1743



68.2581, 52.6810, 38.2805



35.4682, 52.6810, 38.1245



35.4417, 52.6810, 81.9147

# Sweetspot

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



68.2188, 52.6834, 82.1754



85.6367, 82.9473, 100.2933



50.8197, 43.3135, 99.4488



18.1008, 17.3420, 21.2493



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.



68.2188, 52.6834, 82.1754



65.3651, 47.1964, 78.7623



62.5523, 50.4168, 52.3361



18.5872, 18.2182, 21.7093



26.5397, 13.1052, 27.2902



2.6277, 1.2935, 2.8871



# Inverse Universe

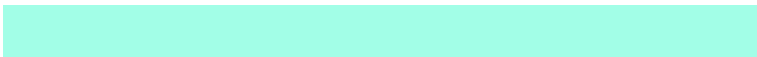
The Inverse Universe completely reimagines the original color for something new.



68.2188, 52.6834, 82.1754



65.3651, 47.1964, 78.7623



64.7679, 84.3361, 88.4680



18.5872, 18.2182, 21.7093



26.5397, 13.1052, 27.2902



2.6277, 1.2935, 2.8871



# Previews

## White Background



This preview shows how the XYZ color 68.2172, 52.6810, 82.1743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

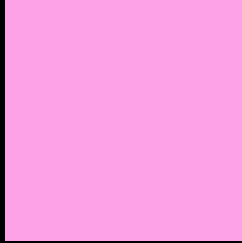
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2172, 52.6810, 82.1743 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 68.2172, 52.6810, 82.1743**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2172, 52.6810, 82.1743.



This preview shows how white text looks on a background with the XYZ color 68.2172, 52.6810,



# 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

68.2172, 52.6810, 82.1743

### Protanopia

53.7305, 53.0221, 98.6692

### Deuteranopia

54.2164, 53.0595, 79.3355



## Tritanopia

61.9260, 52.5430, 52.2254

# Trichromacy



## Original Color

68.2172, 52.6810, 82.1743



## Protanomaly

57.5522, 52.0115, 92.5939



## Deuteranomaly

58.4426, 52.4406, 80.4406



## Tritanomaly

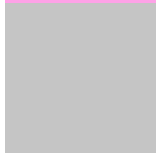
63.9696, 52.5463, 62.0292

# Monochromacy



## Original Color

68.2172, 52.6810, 82.1743



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

57.5626, 53.7899, 67.6702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2172, 52.6810, 82.1743 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(254, 162, 231)` looks like.

```
.text, #text, p{  
    color:rgb(254, 162, 231)  
}
```

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(254, 162, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 162, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2172, 52.6810, 82.1743 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(254, 162, 231) }
```



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

```
.border{ border-color:rgb(254, 162, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 162, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 162, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 162, 231);  
box-shadow:4px 4px 4px 4px rgb(254, 162,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2172, 52.6810, 82.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 162, 231) }
```

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

```
.background{ background-color: rgb(254,  
162, 231) }
```

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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