

Converting Colors

XYZ(66.7148, 51.2711, 87.2690)

Have a look what the booklet for
XYZ(66.7148, 51.2711, 87.2690)
contains.

XYZ(66.7148, 51.2711, 87.2690)	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(66.7148, 51.2711,
87.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	F8A0EE
RGB	248, 160, 238
RGB Percent	97%, 63%, 93%
CMY	0.0274, 0.3725, 0.0667
CMYK	0.00, 0.35, 0.04, 0.03
HSL	307°, 86%, 80%
HSV	307°, 35%, 97%
XYZ	66.7148, 51.2711, 87.2690
YIQ	195.2040, 27.4100, 42.9140

Conversions

Conversions Part 2

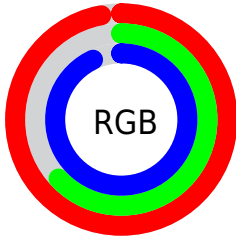
Format	Color
R _Y B	248, 160, 238
Decimal	16294126
CIE Lab	76.84, 44.17, -25.70
CIE LCh	77, 51.106, 329.803
Yxy	51.2711, 0.3250, 0.2498
Android (android.graphics.Color)	4294484206 (0xFFFF8A0EE)
YUV	195.2040, 21.0984, 46.3021
Hunter-Lab	71.6038, 41.0055, -22.1385

Details

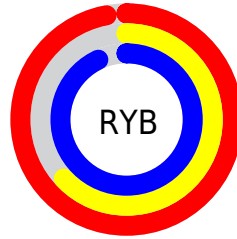
The XYZ color **66.7148, 51.2711, 87.2690** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.3224, 77.5123, 50.0788**, and the grayscale version is **51.8615, 54.5623, 59.4184**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **34.9364, 24.8399, 47.2092** is the 20% darker color. If you saturate the color by 10%, you get **62.4263, 43.3508, 83.8129**, and if you desaturate by 10%, it is **71.8705, 60.9135, 91.0472**.

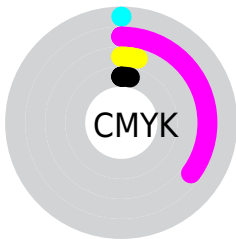
Distribution



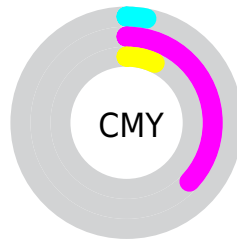
- Red (97%)
- Green (63%)
- Blue (93%)



- Red (97%)
- Yellow (63%)
- Blue (93%)



- Cyan (0%)
- Magenta (35%)
- Yellow (4%)
- Black (3%)





- Cyan (3%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7148, 51.2711, 87.2690 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 66.7148, 51.2711, 87.2690 by changing the saturation by 10% instead.


 66.7148, 51.2711,
87.2690


 66.7148, 51.2711,
87.2690


438.3774,
391.6162, 539.4455

 49.1227, 36.4244,
65.1569


 113.5637, 92.0554,
145.4412

 34.9318, 24.7622,
47.1362


 143.5513,
118.7618, 182.3384

 23.7766, 15.8999,
32.7882


178.4014,
150.1901, 225.0011

 15.2918, 9.4534,
21.6945

218.4793,
186.7249, 273.8478

 9.1121, 5.0381,
13.4364

264.1506,
228.7506, 329.2971

 4.8721, 2.2696,
7.5955

315.7804,

 2.2064, 0.7576,

276.6514, 391.7674

3.7532

373.7342,
330.8118, 461.6774

■ 0.7461, 0.0000,
1.4909

■ 0.0000, 0.0000,
0.2112

■ 66.7148, 51.2711,
87.2690

■ 66.7148, 51.2711,
87.2690

■ 62.4263, 43.3508,
83.8129

■ 71.8705, 60.9135,
91.0472

■ 58.9489, 37.0432,
80.6584

■ 77.9355, 72.3652,
95.1602

■ 56.2274, 32.2371,
77.7877

■ 84.9551, 85.7157,
99.6236

■ 54.1977, 28.8044,
75.1791

■ 91.6137, 98.3334,
103.9991

■ 52.7851, 26.5956,
72.8075

■ 92.0573, 98.5109,
106.3355

■ 51.8971, 25.4261,
70.6421

■ 92.5076, 98.6910,
108.7068

■ 51.6059, 25.1143,
69.7107

■ 92.5219, 98.6967,
108.7817

Harmonies

Analogous

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



58.6125, 51.2711, 116.2640



66.7148, 51.2711, 87.2690



69.8873, 51.2711, 56.0094

Triad

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



66.7148, 51.2711, 87.2690



48.7958, 51.2711, 17.6104



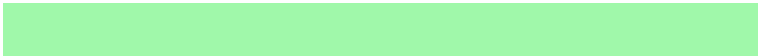
34.2599, 51.2711, 86.8411

Complementary

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



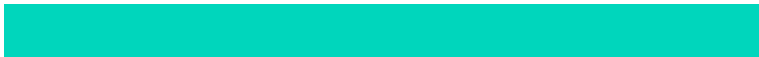
66.7148, 51.2711, 87.2690



55.3224, 77.5123, 50.0788

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.



32.3445, 51.2711, 55.6420



66.7148, 51.2711, 87.2690



40.0288, 51.2711, 21.0949

Square

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



66.7148, 51.2711, 87.2690



58.7382, 51.2711, 21.1911



34.3107, 51.2711, 33.0193



39.9314, 51.2711, 115.9646

Rectangle

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



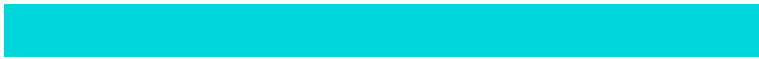
66.7148, 51.2711, 87.2690



68.4927, 51.2711, 39.5993



34.3107, 51.2711, 33.0193



33.1918, 51.2711, 75.9704

Sweetspot

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



66.7164, 51.2734, 87.2701



86.2363, 83.1872, 103.4511



45.8357, 40.3345, 94.1776



18.2445, 17.3995, 22.0060



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.



66.7164, 51.2734, 87.2701



67.5270, 48.0612, 90.1469



61.1571, 49.0497, 57.9949



17.9031, 17.4886, 21.3454



27.9106, 13.5799, 37.8331



2.6084, 1.2671, 3.6273

Inverse Universe

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



66.7164, 51.2734, 87.2701



67.5270, 48.0612, 90.1469



60.0514, 79.4039, 74.9813



17.9031, 17.4886, 21.3454



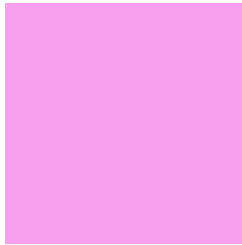
27.9106, 13.5799, 37.8331



2.6084, 1.2671, 3.6273

Previews

White Background



This preview shows how the XYZ color 66.7148, 51.2711, 87.2690 looks on a white background.

Color Contrast Check

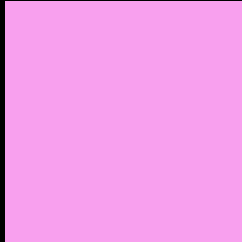
Large Text (above 18pt) WCAG AA × Fail

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 66.7148, 51.2711, 87.2690 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 66.7148, 51.2711, 87.2690

Background



This preview shows how black text looks on a background with the XYZ color 66.7148, 51.2711, 87.2690.



This preview shows how white text looks on a background with the XYZ color 66.7148, 51.2711,

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

66.7148, 51.2711, 87.2690

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

52.7604, 51.5658, 84.2632



Tritanopia

59.4903, 51.2873, 52.1114

Trichromacy



Original Color

66.7148, 51.2711, 87.2690



Protanomaly

56.5725, 50.8225, 96.4506



Deuteranomaly

57.0120, 50.9977, 85.4360



Tritanomaly

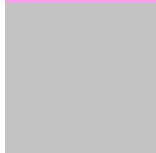
62.0260, 51.2302, 63.7460

Monochromacy



Original Color

66.7148, 51.2711, 87.2690



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.2174, 52.4552, 68.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7148, 51.2711, 87.2690 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(248, 160, 238)` looks like.

```
.text, #text, p{  
    color:rgb(248, 160, 238)  
}
```

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(248, 160, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 160, 238) }
```

Border

The CSS property to change the border of an element to XYZ 66.7148, 51.2711, 87.2690 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(248, 160, 238) }
```


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

```
.border{ border-color:rgb(248, 160, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 160, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 160, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 160, 238);  
box-shadow:4px 4px 4px 4px rgb(248, 160,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7148, 51.2711, 87.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 160, 238) }
```

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

```
.background{ background-color: rgb(248,  
160, 238) }
```

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