

Converting Colors

XYZ(69.2438, 52.8823, 86.4415)

Have a look what the booklet for
XYZ(69.2438, 52.8823, 86.4415)
contains.

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Color

**XYZ(69.2709, 52.8642,
86.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA1ED
RGB	255, 161, 237
RGB Percent	100%, 63%, 93%
CMY	0.0000, 0.3686, 0.0706
CMYK	0.00, 0.37, 0.07, 0.00
HSL	311°, 100%, 82%
HSV	311°, 37%, 100%
XYZ	69.2709, 52.8642, 86.6736
YIQ	197.7700, 31.6280, 43.5640

Conversions

Conversions Part 2

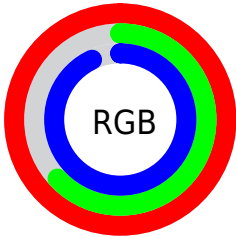
Format	Color
RYB	255, 161, 237
Decimal	16753133
CIELab	77.79, 45.67, -23.64
CIELCh	78, 51.428, 332.634
Yxy	52.8642, 0.3317, 0.2532
Android (android.graphics.Color)	4294943213 (0xFFFFA1ED)
YUV	197.7700, 19.3404, 50.1907
Hunter-Lab	72.7078, 42.8238, -19.7831

Details

The XYZ color **69.2709, 52.8642, 86.6736** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.5964, 82.3526, 55.4579**, and the grayscale version is **53.4112, 56.1927, 61.1939**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **36.6241, 25.7219, 46.7506** is the 20% darker color. If you saturate the color by 10%, you get **64.5570, 44.5624, 81.6306**, and if you desaturate by 10%, it is **74.9153, 62.9953, 92.1239**.

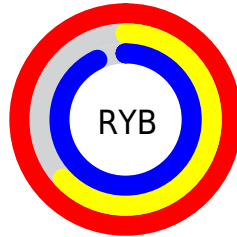
Distribution



Red (100%)

Green (63%)

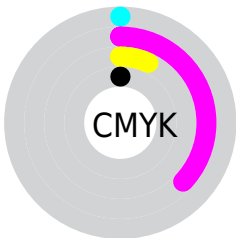
Blue (93%)



Red (100%)

Yellow (63%)

Blue (93%)

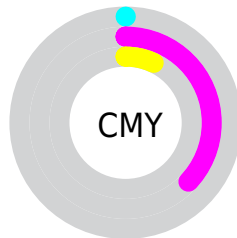


Cyan (0%)

Magenta (37%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.2709, 52.8642, 86.6736 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 69.2709, 52.8642, 86.6736 by changing the saturation by 10% instead.

 69.2709, 52.8642,
86.6736


 69.2709, 52.8642,
86.6736


447.2923,
397.7639, 537.4381

 51.2098, 37.6944,
64.6670

 117.2004, 94.4045,
144.6040

 36.5973, 25.7456,
46.7415


 147.7995,
121.5438, 181.3648

 25.0681, 16.6334,
32.4785

183.3086,
153.4417, 223.8809

 16.2568, 9.9735,
21.4594

224.0931,
190.4825, 272.5707

 9.7981, 5.3814,
13.2657

270.5184,
233.0508, 327.8528

 5.3265, 2.4727,
7.4789

322.9498,

 2.4768, 0.8629,

281.5308, 390.1457

3.6804

381.7526,
336.3071, 459.8679

■ 0.8836, 0.0000,
1.4517

■ 0.0000, 0.0000,
0.1816

■ 69.2709, 52.8642,
86.6736

■ 69.2709, 52.8642,
86.6736

■ 64.5570, 44.5624,
81.6306

■ 74.9153, 62.9953,
92.1239

■ 60.7142, 37.9722,
76.9725

■ 81.5376, 75.0511,
97.9961

■ 57.6818, 32.9723,
72.6788

■ 89.1862, 89.1280,
104.3078

■ 55.3897, 29.4228,
68.7256

95.0500, 100.0000,
108.9000

■ 53.7557, 27.1591,
65.0844

■ 52.6755, 25.9732,
61.7199

■ 52.4012, 25.7245,
60.7040

Harmonies

Analogous

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



61.3117, 52.8642, 117.2973



69.2709, 52.8642, 86.6736



71.9375, 52.8642, 55.0736

Triad

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



69.2709, 52.8642, 86.6736



49.3699, 52.8642, 18.2846



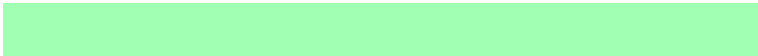
35.7661, 52.8642, 92.5429

Complementary

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



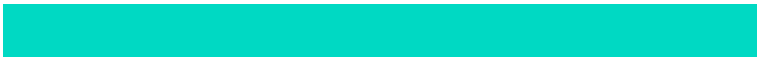
69.2709, 52.8642, 86.6736



58.5964, 82.3526, 55.4579

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.



33.4222, 52.8642, 60.1204



69.2709, 52.8642, 86.6736



40.5986, 52.8642, 22.5937

Square

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



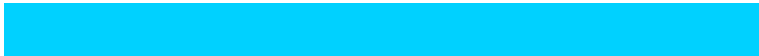
69.2709, 52.8642, 86.6736



59.5856, 52.8642, 21.2678



35.0683, 52.8642, 35.8271



41.9369, 52.8642, 121.3999

Rectangle

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



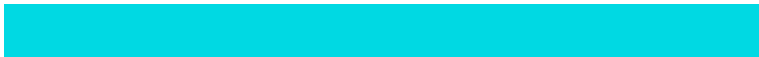
69.2709, 52.8642, 86.6736



70.1032, 52.8642, 38.9076



35.0683, 52.8642, 35.8271



34.5444, 52.8642, 81.3854

Sweetspot

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



69.2722, 52.8664, 86.6747



85.8925, 83.0497, 101.6406



49.2108, 42.2051, 100.1605



18.1621, 17.3665, 21.5719



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.



69.2722, 52.8664, 86.6747



65.8141, 46.7576, 83.0331



63.3647, 50.5034, 55.5666



18.6347, 18.2372, 21.9596



27.4339, 13.4629, 31.9991



2.7077, 1.3255, 3.3082

Inverse Universe

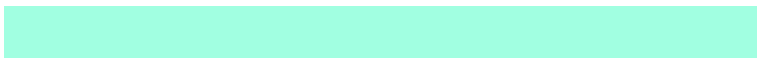
The Inverse Universe completely reimagines the original color for something new.



69.2722, 52.8664, 86.6747



65.8141, 46.7576, 83.0331



64.0819, 84.5468, 84.3443



18.6347, 18.2372, 21.9596



27.4339, 13.4629, 31.9991



2.7077, 1.3255, 3.3082

Previews

White Background



This preview shows how the XYZ color 69.2709, 52.8642, 86.6736 looks on a white background.

Color Contrast Check

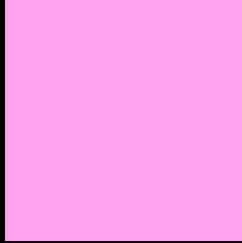
Large Text (above 18pt) WCAG AA × Fail

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 69.2709, 52.8642, 86.6736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

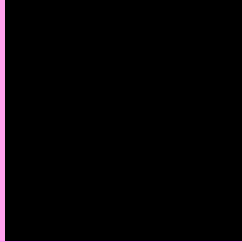
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2709, 52.8642, 86.6736

Background



This preview shows how black text looks on a background with the XYZ color 69.2709, 52.8642, 86.6736.



This preview shows how white text looks on a background with the XYZ color 69.2709, 52.8642,

86.6736.

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

69.2709, 52.8642, 86.6736

Protanopia

54.1427, 53.1609, 102.0152

Deuteranopia

54.2869, 52.9991, 83.7126



Tritanopia

62.2816, 52.7262, 52.2420

Trichromacy



Original Color

69.2709, 52.8642, 86.6736



Protanomaly

57.9652, 51.8549, 95.7608



Deuteranomaly

58.7960, 52.2284, 84.8241



Tritanomaly

64.3819, 52.4585, 63.2321

Monochromacy



Original Color

69.2709, 52.8642, 86.6736



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.4460, 54.5115, 69.7287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2709, 52.8642, 86.6736 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, 161, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 237)  
}
```

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, 161, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 237) }
```

Border

The CSS property to change the border of an element to XYZ 69.2709, 52.8642, 86.6736 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, 161, 237) }
```


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

```
.border{ border-color:rgb(255, 161, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2709, 52.8642, 86.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 237) }
```

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

```
.background{ background-color: rgb(255,  
161, 237) }
```

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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