

Converting Colors

XYZ(67.7321, 50.0845, 85.2422)

Have a look what the booklet for
XYZ(67.7321, 50.0845, 85.2422)
contains.

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Color

**XYZ(67.7716, 50.0986,
85.4549)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99EC
RGB	255, 153, 236
RGB Percent	100%, 60%, 93%
CMY	0.0000, 0.4000, 0.0745
CMYK	0.00, 0.40, 0.07, 0.00
HSL	311°, 100%, 80%
HSV	311°, 40%, 100%
XYZ	67.7716, 50.0986, 85.4549
YIQ	192.9600, 34.1490, 47.4370

Conversions

Conversions Part 2

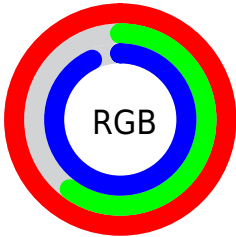
Format	Color
RYB	255, 153, 236
Decimal	16751084
CIELab	76.13, 49.58, -25.64
CIELCh	76, 55.816, 332.656
Yxy	50.0986, 0.3333, 0.2464
Android (android.graphics.Color)	4294941164 (0xFFFF99EC)
YUV	192.9600, 21.2187, 54.4091
Hunter-Lab	70.7804, 47.0466, -22.0360

Details

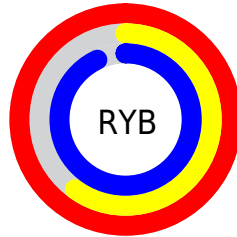
The XYZ color **67.7716, 50.0986, 85.4549** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.3449, 81.2716, 51.7496**, and the grayscale version is **50.5315, 53.1631, 57.8946**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **35.7260, 24.0893, 45.9467** is the 20% darker color. If you saturate the color by 10%, you get **63.3542, 42.3535, 80.6231**, and if you desaturate by 10%, it is **73.1013, 59.6385, 90.6827**.

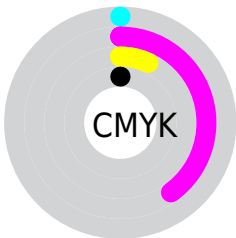
Distribution



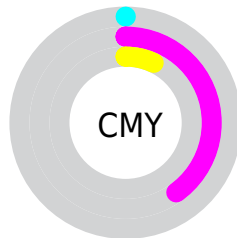
- Red (100%)
- Green (60%)
- Blue (93%)



- Red (100%)
- Yellow (60%)
- Blue (93%)



- Cyan (0%)
- Magenta (40%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7716, 50.0986, 85.4549 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 67.7716, 50.0986, 85.4549 by changing the saturation by 10% instead.


 67.7716, 50.0986,
85.4549


 67.7716, 50.0986,
85.4549


442.0758,
387.0514, 533.3159

 49.9849, 35.4917,
63.6650


 115.0690, 90.3209,
142.8884

 35.6192, 24.0419,
45.9350

 145.3105,
116.7052, 179.3690

 24.3090, 15.3647,
31.8462


180.4344,
147.7841, 221.5837

 15.6889, 9.0758,
20.9802

220.8059,
183.9420, 269.9509

 9.3938, 4.7906,
12.9184

266.7904,
225.5633, 324.8892

 5.0581, 2.1249,
7.2423

318.7533,

 2.3165, 0.6786,

273.0323, 386.8171

3.5334

377.0600,
326.7336, 456.1531

■ 0.8031, 0.0000,
1.3730

■ 0.0000, 0.0000,
0.1205

■ 67.7716, 50.0986,
85.4549

■ 67.7716, 50.0986,
85.4549

■ 63.3542, 42.3535,
80.6231

■ 73.1013, 59.6385,
90.6827

■ 59.7883, 36.2824,
76.1643

■ 79.3923, 71.0718,
96.3215

■ 57.0109, 31.7595,
72.0575

■ 86.6943, 84.4970,
102.3893

■ 54.9486, 28.6380,
68.2776

95.0500, 100.0000,
108.9000

■ 53.5139, 26.7432,
64.7946

■ 52.5639, 25.7896,
61.5603

■ 52.5636, 25.7895,
61.5595

Harmonies

Analogous

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



59.2939, 50.0986, 118.6980



67.7716, 50.0986, 85.4549



70.6221, 50.0986, 51.9276

Triad

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



67.7716, 50.0986, 85.4549



46.6929, 50.0986, 14.9107



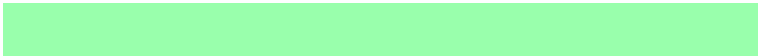
32.6341, 50.0986, 91.8321

Complementary

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



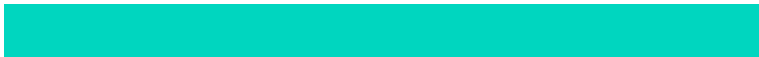
67.7716, 50.0986, 85.4549



56.3449, 81.2716, 51.7496

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.



30.2445, 50.0986, 57.2569



67.7716, 50.0986, 85.4549



37.5840, 50.0986, 19.0455

Square

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



67.7716, 50.0986, 85.4549



57.4483, 50.0986, 17.7548



31.9162, 50.0986, 32.1693



38.9770, 50.0986, 123.2285

Rectangle

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



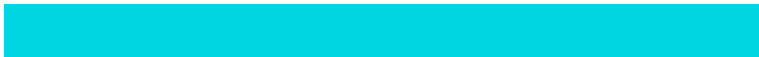
67.7716, 50.0986, 85.4549



68.6537, 50.0986, 35.2617



31.9162, 50.0986, 32.1693



31.3875, 50.0986, 79.8321

Sweetspot

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



67.7727, 50.1006, 85.4559



85.1490, 81.6449, 101.1392



46.3908, 38.7417, 99.6406



18.0145, 17.0867, 21.4754



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.



67.7727, 50.1006, 85.4559



64.1667, 43.7633, 81.5579



61.4213, 47.5601, 52.0102



18.6390, 18.2389, 21.9820



27.5178, 13.4964, 32.4408



2.7151, 1.3284, 3.3474

Inverse Universe

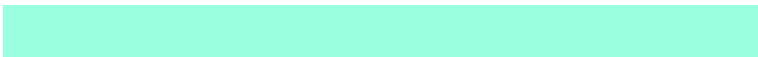
The Inverse Universe completely reimagines the original color for something new.



67.7727, 50.1006, 85.4559



64.1667, 43.7633, 81.5579



62.1771, 83.6045, 82.4617



18.6390, 18.2389, 21.9820



27.5178, 13.4964, 32.4408



2.7151, 1.3284, 3.3474

Previews

White Background



This preview shows how the XYZ color 67.7716, 50.0986, 85.4549 looks on a white background.

Color Contrast Check

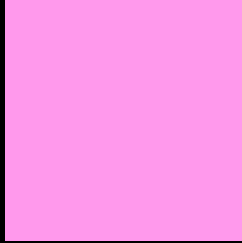
Large Text (above 18pt) WCAG AA × Fail

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 67.7716, 50.0986, 85.4549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

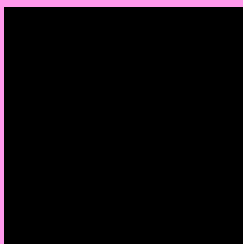
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7716, 50.0986, 85.4549

Background



This preview shows how black text looks on a background with the XYZ color 67.7716, 50.0986, 85.4549.



This preview shows how white text looks on a background with the XYZ color 67.7716, 50.0986,

85.4549.

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

67.7716, 50.0986, 85.4549

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

51.4310, 50.3084, 81.8627



Tritanopia

60.1023, 50.0411, 48.0861

Trichromacy



Original Color

67.7716, 50.0986, 85.4549



Protanomaly

55.8987, 49.3288, 95.3822



Deuteranomaly

56.0874, 49.4150, 82.9258



Tritanomaly

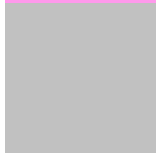
62.7216, 50.0762, 59.7860

Monochromacy



Original Color

67.7716, 50.0986, 85.4549



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.7479, 51.0432, 67.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7716, 50.0986, 85.4549 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, 153, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 236)  
}
```

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, 153, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 236) }
```

Border

The CSS property to change the border of an element to XYZ 67.7716, 50.0986, 85.4549 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, 153, 236) }
```


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

```
.border{ border-color:rgb(255, 153, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7716, 50.0986, 85.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 236) }
```

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

```
.background{ background-color: rgb(255,  
153, 236) }
```

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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