

Converting Colors

XYZ(67.3432, 50.7631, 85.1509)

Have a look what the booklet for
XYZ(67.3432, 50.7631, 85.1509)
contains.

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Color

**XYZ(67.1973, 50.8075,
84.8624)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9DEB
RGB	252, 157, 235
RGB Percent	99%, 62%, 92%
CMY	0.0118, 0.3843, 0.0784
CMYK	0.00, 0.38, 0.07, 0.01
HSL	311°, 94%, 80%
HSV	311°, 38%, 99%
XYZ	67.1973, 50.8075, 84.8624
YIQ	194.2970, 31.5820, 44.3980

Conversions

Conversions Part 2

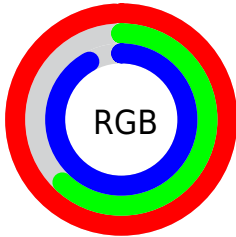
Format	Color
R _{YB}	252, 157, 235
Decimal	16555499
CIE _{Lab}	76.56, 46.45, -24.47
CIE _{LCh}	77, 52.499, 332.224
Yxy	50.8075, 0.3312, 0.2504
Android (android.graphics.Color)	4294745579 (0xFFFC9DEB)
YUV	194.2970, 20.0666, 50.6055
Hunter-Lab	71.2794, 43.5386, -20.6928

Details

The XYZ color **67.1973, 50.8075, 84.8624** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.3572, 79.8467, 52.4892**, and the grayscale version is **51.3272, 54.0002, 58.8062**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **35.2351, 24.4245, 45.5051** is the 20% darker color. If you saturate the color by 10%, you get **62.7224, 42.8864, 80.1970**, and if you desaturate by 10%, it is **72.5712, 60.4982, 89.9100**.

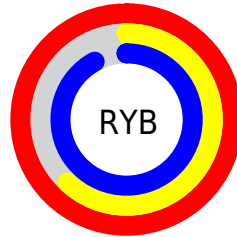
Distribution



Red (99%)

Green (62%)

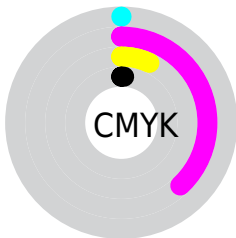
Blue (92%)



Red (99%)

Yellow (62%)

Blue (92%)

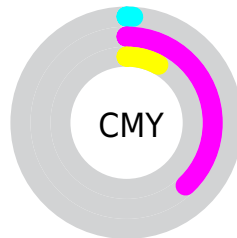


Cyan (0%)

Magenta (38%)

Yellow (7%)

Black (1%)



Cyan (1%)


Magenta (38%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1973, 50.8075, 84.8624 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 67.1973, 50.8075, 84.8624 by changing the saturation by 10% instead.


 67.1973, 50.8075,
84.8624


 67.1973, 50.8075,
84.8624


440.0682,
389.8154, 531.3054

 49.5163, 36.0554,
63.1782

 114.2513, 91.3702,
142.0534

 35.2454, 24.4770,
45.5435


 144.3550,
117.9495, 178.3972

 24.0194, 15.6878,
31.5396


179.3303,
149.2402, 220.4647

 15.4728, 9.3035,
20.7482

219.5425,
185.6264, 268.6743

 9.2404, 4.9397,
12.7506

265.3571,
227.4926, 323.4447

 4.9567, 2.2119,
7.1284

317.1393,

 2.2563, 0.7265,

275.2233, 385.1943

3.4628

375.2546,
329.2028, 454.3416

■ 0.7722, 0.0000,
1.3355

■ 0.0000, 0.0000,
0.0907

■ 67.1973, 50.8075,
84.8624

■ 67.1973, 50.8075,
84.8624

■ 62.7224, 42.8864,
80.1970

■ 72.5712, 60.4982,
89.9100

■ 59.0870, 36.6190,
75.8919

■ 78.8890, 72.0513,
95.3538

■ 56.2321, 31.8866,
71.9273

■ 86.1987, 85.5611,
101.2109

■ 54.0889, 28.5517,
68.2796

■ 93.6415, 99.3102,
107.1956

■ 52.5763, 26.4523,
64.9212

93.9554, 99.4357,
108.8488

■ 51.5864, 25.3729,
61.8155

■ 51.3961, 25.1960,
61.1237

Harmonies

Analogous

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



59.1859, 50.8075, 115.5516



67.1973, 50.8075, 84.8624



69.9540, 50.8075, 53.2290

Triad

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



67.1973, 50.8075, 84.8624



47.5550, 50.8075, 16.7346



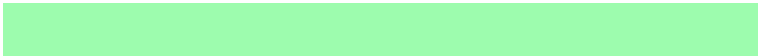
33.8929, 50.8075, 89.8375

Complementary

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



67.1973, 50.8075, 84.8624



56.3572, 79.8467, 52.4892

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.



31.6372, 50.8075, 57.4665



67.1973, 50.8075, 84.8624



38.8226, 50.8075, 20.7958

Square

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



67.1973, 50.8075, 84.8624



57.7305, 50.8075, 19.7117



33.3120, 50.8075, 33.5796



39.9410, 50.8075, 119.0483

Rectangle

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



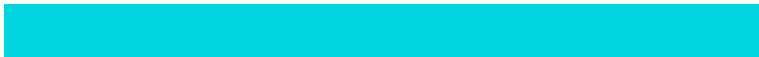
67.1973, 50.8075, 84.8624



68.1746, 50.8075, 37.1340



33.3120, 50.8075, 33.5796



32.7065, 50.8075, 78.6459

Sweetspot

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



67.1989, 50.8098, 84.8635



85.9476, 83.0717, 101.9307



46.8267, 40.0100, 97.3514



18.1753, 17.3718, 21.6414



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.



67.1989, 50.8098, 84.8635



65.5727, 46.0565, 83.6257



61.3530, 48.4714, 54.0793



17.8519, 17.4681, 21.0759



26.8224, 13.1447, 32.1030



2.5179, 1.2309, 3.1506

Inverse Universe

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



67.1989, 50.8098, 84.8635



65.5727, 46.0565, 83.6257



61.6795, 81.9756, 80.5159



17.8519, 17.4681, 21.0759



26.8224, 13.1447, 32.1030



2.5179, 1.2309, 3.1506

Previews

White Background



This preview shows how the XYZ color 67.1973, 50.8075, 84.8624 looks on a white background.

Color Contrast Check

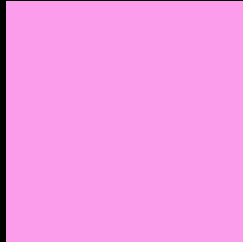
Large Text (above 18pt) WCAG AA × Fail

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 67.1973, 50.8075, 84.8624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

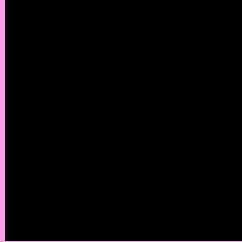
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1973, 50.8075, 84.8624

Background



This preview shows how black text looks on a background with the XYZ color 67.1973, 50.8075, 84.8624.



This preview shows how white text looks on a background with the XYZ color 67.1973, 50.8075,

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

67.1973, 50.8075, 84.8624

Protanopia

52.3979, 51.3067, 101.7493

Deuteranopia

52.1254, 50.9759, 81.9549



Tritanopia

59.9993, 50.7539, 50.3502

Trichromacy



Original Color

67.1973, 50.8075, 84.8624



Protanomaly

56.2880, 50.1073, 95.5119



Deuteranomaly

56.7594, 50.3350, 83.0680



Tritanomaly

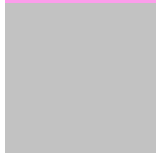
62.5295, 50.7244, 61.7535

Monochromacy



Original Color

67.1973, 50.8075, 84.8624



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.0568, 52.0983, 67.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1973, 50.8075, 84.8624 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(252, 157, 235)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 235)  
}
```

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(252, 157, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 235) }
```

Border

The CSS property to change the border of an element to XYZ 67.1973, 50.8075, 84.8624 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(252, 157, 235) }
```


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

```
.border{ border-color:rgb(252, 157, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 157, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 235);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1973, 50.8075, 84.8624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 157, 235) }
```

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

```
.background{ background-color: rgb(252,  
157, 235) }
```

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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