

Converting Colors

XYZ(65.9834, 49.8148, 88.1242)

Have a look what the booklet for
XYZ(65.9834, 49.8148, 88.1242)
contains.

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Color

**XYZ(65.8262, 49.7831,
87.8010)**

Conversions

Conversions Part 1

Format	Color
Hex	F79CEF
RGB	247, 156, 239
RGB Percent	97%, 61%, 94%
CMY	0.0314, 0.3882, 0.0627
CMYK	0.00, 0.37, 0.03, 0.03
HSL	305°, 85%, 79%
HSV	305°, 37%, 97%
XYZ	65.8262, 49.7831, 87.8010
YIQ	192.6710, 27.5930, 45.1050

Conversions

Conversions Part 2

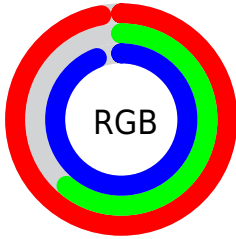
Format	Color
R_{YB}	247, 156, 239
Decimal	16227567
CIE _{Lab}	75.94, 46.10, -27.65
CIE _{LCh}	76, 53.753, 329.049
Yxy	49.7831, 0.3236, 0.2447
Android (android.graphics.Color)	4294417647 (0xFFFF79CEF)
YUV	192.6710, 22.8402, 47.6465
Hunter-Lab	70.5571, 43.0564, -24.3902

Details

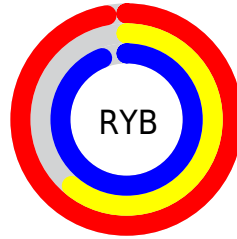
The XYZ color **65.8262, 49.7831, 87.8010** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.6740, 76.2714, 47.0179**, and the grayscale version is **50.3559, 52.9783, 57.6934**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **34.2849, 23.7405, 47.5751** is the 20% darker color. If you saturate the color by 10%, you get **61.7768, 42.1937, 84.8782**, and if you desaturate by 10%, it is **70.7254, 59.0639, 91.0271**.

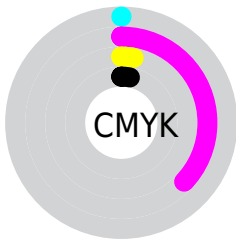
Distribution



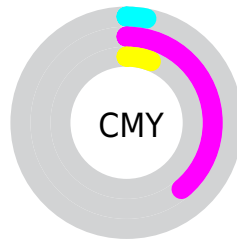
- Red (97%)
- Green (61%)
- Blue (94%)



- Red (97%)
- Yellow (61%)
- Blue (94%)



- Cyan (0%)
- Magenta (37%)
- Yellow (3%)
- Black (3%)





- Cyan (3%)
- Magenta (39%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8262, 49.7831, 87.8010 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 65.8262, 49.7831, 87.8010 by changing the saturation by 10% instead.


 65.8262, 49.7831,
87.8010


 65.8262, 49.7831,
87.8010


435.2535,
385.8171, 541.2357

 48.3985, 35.2411,
65.5949


 112.2960, 89.8534,
146.1888

 34.3551, 23.8486,
47.4892

 142.0687,
116.1505, 183.2075

 23.3307, 15.2214,
33.0654


176.6873,
147.1348, 226.0009

 14.9600, 8.9749,
21.9051

216.5169,
183.1906, 274.9874

 8.8774, 4.7248,
13.5895

261.9230,
224.7023, 330.5856

 4.7178, 2.0867,
7.7002

313.2709,

 2.1157, 0.6571,

272.0544, 393.2140

3.8187

370.9259,
325.6312, 463.2912

■ 0.6977, 0.0000,
1.5264

■ 0.0000, 0.0000,
0.2375

■ 65.8262, 49.7831,
87.8010

■ 65.8262, 49.7831,
87.8010

■ 61.7768, 42.1937,
84.8782

■ 70.7254, 59.0639,
91.0271

■ 58.5208, 36.1861,
82.2383

■ 76.5165, 70.1235,
94.5691

■ 56.0030, 31.6486,
79.8634

■ 83.2449, 83.0513,
98.4427

■ 54.1586, 28.4518,
77.7317

■ 90.9513, 97.9288,
102.6615

■ 52.9118, 26.4442,
75.8180

■ 91.3515, 98.1877,
104.4642

■ 52.1664, 25.4332,
74.0901

■ 91.6938, 98.3246,
106.2669

■ 51.9877, 25.2262,
73.5670

■ 92.0401, 98.4631,
108.0904

■ 92.1682, 98.5144,
108.7651

Harmonies

Analogous

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



57.2961, 49.7831, 118.1176



65.8262, 49.7831, 87.8010



69.2991, 49.7831, 55.1258

Triad

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



65.8262, 49.7831, 87.8010



47.6377, 49.7831, 15.6500



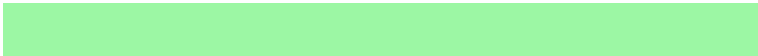
32.4016, 49.7831, 85.6324

Complementary

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



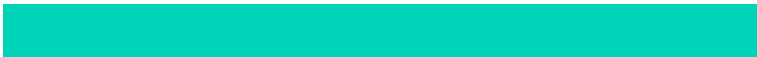
65.8262, 49.7831, 87.8010



53.6740, 76.2714, 47.0179

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.



30.5579, 49.7831, 53.2951



65.8262, 49.7831, 87.8010



38.5701, 49.7831, 18.8763

Square

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



65.8262, 49.7831, 87.8010



57.9273, 49.7831, 19.3330



32.6505, 49.7831, 30.5027



38.0891, 49.7831, 116.5858

Rectangle

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



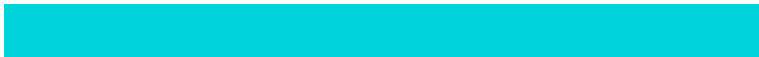
65.8262, 49.7831, 87.8010



67.9515, 49.7831, 38.1258



32.6505, 49.7831, 30.5027



31.3505, 49.7831, 74.2689

Sweetspot

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



65.8278, 49.7853, 87.8020



86.3508, 83.2330, 104.0540



43.9032, 38.3432, 93.0838



18.2720, 17.4105, 22.1506



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.



65.8278, 49.7853, 87.8020



67.5345, 47.4458, 92.0929



59.9764, 47.4448, 56.9889



17.1471, 16.7417, 20.5212



27.5214, 13.3520, 39.0495



2.4370, 1.1808, 3.5274

Inverse Universe

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



65.8278, 49.7853, 87.8020



67.5345, 47.4458, 92.0929



58.4919, 78.1986, 72.3888



17.1471, 16.7417, 20.5212



27.5214, 13.3520, 39.0495



2.4370, 1.1808, 3.5274

Previews

White Background



This preview shows how the XYZ color 65.8262, 49.7831, 87.8010 looks on a white background.

Color Contrast Check

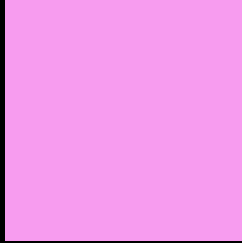
Large Text (above 18pt) WCAG AA × Fail

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 65.8262, 49.7831, 87.8010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

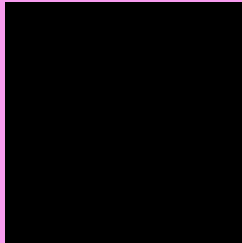
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8262, 49.7831, 87.8010

Background



This preview shows how black text looks on a background with the XYZ color 65.8262, 49.7831, 87.8010.



This preview shows how white text looks on a background with the XYZ color 65.8262, 49.7831,

87.8010.

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

65.8262, 49.7831, 87.8010

Protanopia

51.3353, 50.1334, 101.5788

Deuteranopia

51.2832, 50.1666, 84.8221



Tritanopia

58.2783, 49.8667, 50.2697

Trichromacy



Original Color

65.8262, 49.7831, 87.8010



Protanomaly

54.9999, 48.8474, 96.1522



Deuteranomaly

55.7300, 49.4500, 85.9644



Tritanomaly

60.8983, 49.8699, 62.2933

Monochromacy



Original Color

65.8262, 49.7831, 87.8010



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.3947, 51.4418, 67.9824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8262, 49.7831, 87.8010 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(247, 156, 239)` looks like.

```
.text, #text, p{  
    color:rgb(247, 156, 239)  
}
```

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(247, 156, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 156, 239) }
```

Border

The CSS property to change the border of an element to XYZ 65.8262, 49.7831, 87.8010 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(247, 156, 239) }
```


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

```
.border{ border-color:rgb(247, 156, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 156, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 156, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 156, 239);  
box-shadow:4px 4px 4px 4px rgb(247, 156,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8262, 49.7831, 87.8010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 156, 239) }
```

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

```
.background{ background-color: rgb(247,  
156, 239) }
```

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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