

Converting Colors

XYZ(63.8251, 48.8123, 97.2591)

Have a look what the booklet for
XYZ(63.8251, 48.8123, 97.2591)
contains.

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Color

**XYZ(63.7305, 48.7411,
97.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9DFB
RGB	235, 157, 251
RGB Percent	92%, 62%, 98%
CMY	0.0784, 0.3843, 0.0157
CMYK	0.06, 0.37, 0.00, 0.02
HSL	290°, 92%, 80%
HSV	290°, 37%, 98%
XYZ	63.7305, 48.7411, 97.3158
YIQ	191.0380, 16.3140, 45.7700

Conversions

Conversions Part 2

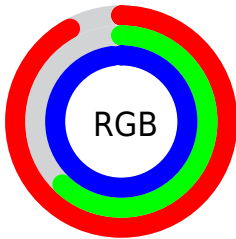
Format	Color
RYB	235, 157, 251
Decimal	15441403
CIELab	75.29, 44.14, -35.25
CIELCh	75, 56.489, 321.384
Yxy	48.7411, 0.3038, 0.2323
Android (android.graphics.Color)	4293631483 (0xFFEB9DFB)
YUV	191.0380, 29.5613, 38.5547
Hunter-Lab	69.8148, 40.7679, -33.7747

Details

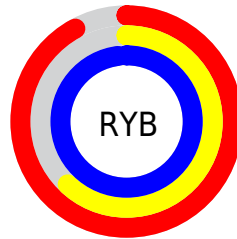
The XYZ color **63.7305, 48.7411, 97.3158** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.8181, 80.3141, 44.3553**, and the grayscale version is **49.3721, 51.9433, 56.5663**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **33.0480, 23.2606, 53.7869** is the 20% darker color. If you saturate the color by 10%, you get **58.5189, 40.3858, 95.9785**, and if you desaturate by 10%, it is **69.8515, 58.8625, 98.9476**.

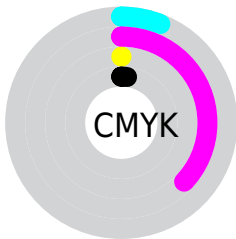
Distribution



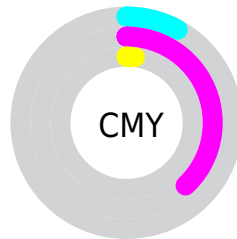
- Red (92%)
- Green (62%)
- Blue (98%)



- Red (92%)
- Yellow (62%)
- Blue (98%)



- Cyan (6%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)




- Cyan (8%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7305, 48.7411, 97.3158 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 63.7305, 48.7411, 97.3158 by changing the saturation by 10% instead.


 63.7305, 48.7411,
97.3158

 63.7305, 48.7411,
97.3158


427.8334,
381.7222, 572.7251

 46.6933, 34.4141,
73.4564

 109.2986, 88.3068,
159.4831

 33.0002, 23.2119,
53.8552


 138.5603,
114.3144, 198.6281

 22.2858, 14.7501,
38.0935


172.6274,
144.9842, 243.7054

 14.1848, 8.6442,
25.7529

211.8654,
180.7008, 295.1335

 8.3319, 4.5098,
16.4147

256.6397,
221.8485, 353.3310

 4.3616, 1.9626,
9.6606

307.3156,

 1.9087, 0.5856,

268.8117, 418.7164

5.0719

364.2583,
321.9748, 491.7083

■ 0.5819, 0.0000,
2.2300

■ 0.0000, 0.0000,
0.6916

■ 63.7305, 48.7411,
97.3158

■ 63.7305, 48.7411,
97.3158

■ 58.5189, 40.3858,
95.9785

■ 69.8515, 58.8625,
98.9476

■ 54.1578, 33.6826,
94.9145

■ 76.9263, 70.8422,
100.8870

■ 50.5888, 28.5141,
94.1050

■ 85.0025, 84.7736,
103.1504

■ 47.7438, 24.7444,
93.5273

■ 93.3506, 99.1975,
105.4945

■ 45.5428, 22.2138,
93.1548

94.4127, 99.7451,
105.5442

■ 43.8811, 20.7132,
92.9528

■ 43.5035, 20.4154,
92.9152

Harmonies

Analogous

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



53.9894, 48.7411, 126.0397



63.7305, 48.7411, 97.3158



68.9862, 48.7411, 62.0991

Triad

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



63.7305, 48.7411, 97.3158



49.3806, 48.7411, 14.2509



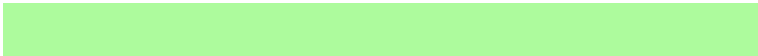
30.1214, 48.7411, 76.7512

Complementary

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



63.7305, 48.7411, 97.3158



57.8181, 80.3141, 44.3553

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.



29.2677, 48.7411, 44.9629



63.7305, 48.7411, 97.3158



39.4261, 48.7411, 15.6642

Square

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



63.7305, 48.7411, 97.3158



59.9277, 48.7411, 19.7735



32.4208, 48.7411, 24.8008



34.9574, 48.7411, 111.4084

Rectangle

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



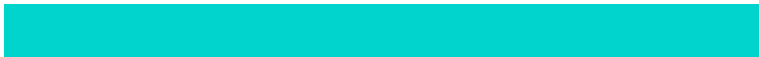
63.7305, 48.7411, 97.3158



68.7682, 48.7411, 42.5718



32.4208, 48.7411, 24.8008



29.3911, 48.7411, 65.1679

Sweetspot

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



63.7321, 48.7432, 97.3169



85.0107, 82.4965, 106.0506



46.5003, 44.4976, 97.4056



17.9503, 17.2337, 22.6303



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.



63.7321, 48.7432, 97.3169



61.8805, 43.7914, 99.7989



64.9243, 49.8580, 74.7729



17.6861, 17.3663, 21.8052



22.9759, 10.7872, 48.8447



2.2020, 1.0373, 4.5273

Inverse Universe

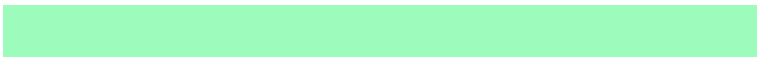
The Inverse Universe completely reimagines the original color for something new.



59.3850, 47.6423, 45.6030



56.9807, 42.6197, 38.3808



57.3481, 79.7415, 59.2540



17.3651, 17.2734, 18.5126



21.1742, 10.8854, 2.3600



1.9939, 1.0213, 0.3912

Previews

White Background



This preview shows how the XYZ color 63.7305, 48.7411, 97.3158 looks on a white background.

Color Contrast Check

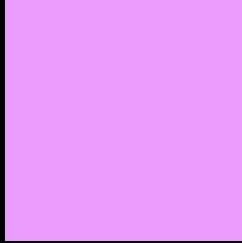
Large Text (above 18pt) WCAG AA × Fail

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 63.7305, 48.7411, 97.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

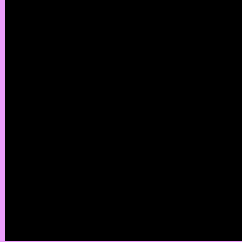
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7305, 48.7411, 97.3158

Background



This preview shows how black text looks on a background with the XYZ color 63.7305, 48.7411, 97.3158.



This preview shows how white text looks on a background with the XYZ color 63.7305, 48.7411,

97.3158.

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

63.7305, 48.7411, 97.3158

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.3626, 49.1787, 94.0268



Tritanopia

54.5787, 48.7553, 51.8815

Trichromacy



Original Color

63.7305, 48.7411, 97.3158



Protanomaly

54.2606, 48.3750, 100.2434



Deuteranomaly

54.3275, 48.5187, 95.3086



Tritanomaly

57.3345, 48.4845, 66.0111

Monochromacy



Original Color

63.7305, 48.7411, 97.3158



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.8625, 50.3097, 69.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7305, 48.7411, 97.3158 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(235, 157, 251)` looks like.

```
.text, #text, p{  
    color:rgb(235, 157, 251)  
}
```

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(235, 157, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 157, 251) }
```

Border

The CSS property to change the border of an element to XYZ 63.7305, 48.7411, 97.3158 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(235, 157, 251) }
```


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

```
.border{ border-color:rgb(235, 157, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 157, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 157, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 157, 251); box-shadow:4px 4px 4px 4px rgb(235, 157, 251) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7305, 48.7411, 97.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 157, 251) }
```

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

```
.background{ background-color: rgb(235,  
157, 251) }
```

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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