

Converting Colors

XYZ(63.7143, 49.1666,
100.7397)

Have a look what the booklet for
XYZ(63.7143, 49.1666, 100.7397)
contains.

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Color

**XYZ(63.7268, 49.1721,
100.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	E89FFF
RGB	232, 159, 255
RGB Percent	91%, 62%, 100%
CMY	0.0902, 0.3765, 0.0000
CMYK	0.09, 0.38, 0.00, 0.00
HSL	286°, 100%, 81%
HSV	286°, 38%, 100%
XYZ	63.7268, 49.1721, 100.7401
YIQ	191.7710, 12.6920, 45.3320

Conversions

Conversions Part 2

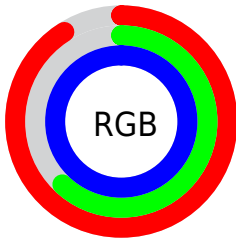
Format	Color
R_{YB}	232, 159, 255
Decimal	15245311
CIE _{Lab}	75.56, 42.97, -37.03
CIE _{LCh}	76, 56.724, 319.252
Yxy	49.1721, 0.2983, 0.2302
Android (android.graphics.Color)	4293435391 (0xFFE89FFF)
YUV	191.7710, 31.1719, 35.2808
Hunter-Lab	70.1228, 39.5038, -36.0914

Details

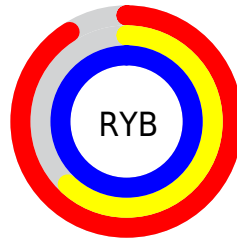
The XYZ color **63.7268, 49.1721, 100.7401** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.3106, 83.9689, 45.7794**, and the grayscale version is **49.7898, 52.3827, 57.0448**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.0263, 23.4992, 56.2212** is the 20% darker color. If you saturate the color by 10%, you get **57.8372, 40.2851, 99.3352**, and if you desaturate by 10%, it is **70.5928, 59.9076, 102.4504**.

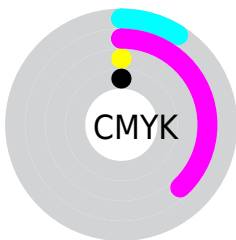
Distribution



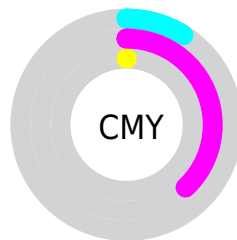
- Red (91%)
- Green (62%)
- Blue (100%)



- Red (91%)
- Yellow (62%)
- Blue (100%)



- Cyan (9%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7268, 49.1721, 100.7401 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 63.7268, 49.1721, 100.7401 by changing the saturation by 10% instead.


 63.7268, 49.1721,
100.7401

 63.7268, 49.1721,
100.7401


427.8203,
383.4194, 583.8298

 46.6903, 34.7560,
76.2984

 109.2933, 88.9470,
164.2346

 32.9978, 23.4750,
56.1691


 138.5541,
115.0746, 204.1246

 22.2840, 14.9446,
39.9336


172.6202,
145.8749, 250.0010

 14.1835, 8.7805,
27.1734

211.8572,
181.7322, 302.2825

 8.3310, 4.5983,
17.4699

256.6303,
223.0309, 361.3876

 4.3610, 2.0136,
10.4046

307.3050,

 1.9083, 0.6153,

270.1554, 427.7348

5.5589

364.2465,
323.4901, 501.7427

■ 0.5817, 0.0000,
2.5144

■ 0.0000, 0.0000,
0.8478

■ 63.7268, 49.1721,
100.7401

■ 63.7268, 49.1721,
100.7401

■ 57.8372, 40.2851,
99.3352

■ 70.5928, 59.9076,
102.4504

■ 52.8628, 33.1281,
98.2159

■ 78.4826, 72.5882,
104.4822

■ 48.7421, 27.5782,
97.3619

■ 87.4457, 87.3112,
106.8516

■ 45.4037, 23.4937,
96.7494

95.0500, 100.0000,
108.9000

■ 42.7634, 20.7073,
96.3508

■ 40.7105, 18.9987,
96.1292

■ 40.2745, 18.6772,
96.0901

Harmonies

Analogous

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



53.7013, 49.1721, 128.6028



63.7268, 49.1721, 100.7401



69.4632, 49.1721, 65.0410

Triad

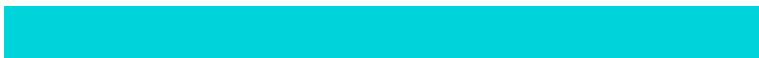
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7268, 49.1721, 100.7401



50.5966, 49.1721, 14.4990



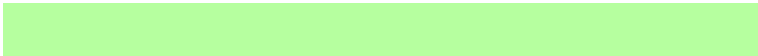
30.1758, 49.1721, 74.9139

Complementary

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



63.7268, 49.1721, 100.7401



61.3106, 83.9689, 45.7794

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.



29.6017, 49.1721, 43.4817



63.7268, 49.1721, 100.7401



40.4018, 49.1721, 15.4461

Square

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



63.7268, 49.1721, 100.7401



61.1637, 49.1721, 20.6382



33.0713, 49.1721, 24.0123



34.7778, 49.1721, 110.2477

Rectangle

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



63.7268, 49.1721, 100.7401



69.5823, 49.1721, 44.7866



33.0713, 49.1721, 24.0123



29.5344, 49.1721, 63.3657

Sweetspot

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



63.7283, 49.1741, 100.7404



84.3161, 82.1385, 106.0181



49.2834, 48.4600, 101.3639



17.7840, 17.1480, 22.6225



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.



63.7283, 49.1741, 100.7404



59.3039, 42.4630, 99.6783



68.0630, 51.8276, 82.0187



18.3424, 18.0683, 22.7707



21.1847, 9.8316, 50.2157



2.1599, 1.0074, 4.8939

Inverse Universe

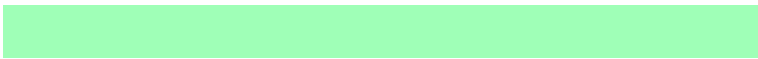
The Inverse Universe completely reimagines the original color for something new.



62.0828, 49.4355, 50.5276



57.6985, 42.9068, 42.1604



58.6067, 82.3105, 57.6004



18.1877, 18.0584, 19.6057



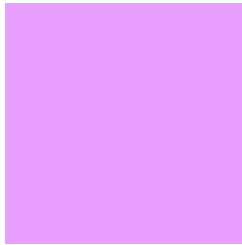
22.0384, 11.3046, 3.5866



2.1863, 1.1169, 0.5626

Previews

White Background



This preview shows how the XYZ color 63.7268, 49.1721, 100.7401 looks on a white background.

Color Contrast Check

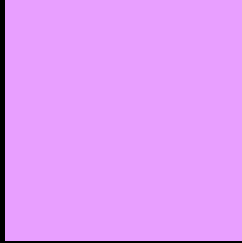
Large Text (above 18pt) WCAG AA × Fail

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 63.7268, 49.1721, 100.7401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

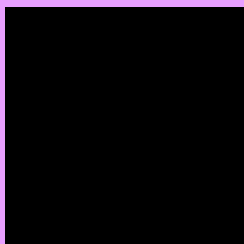
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7268, 49.1721, 100.7401

Background



This preview shows how black text looks on a background with the XYZ color 63.7268, 49.1721, 100.7401.



This preview shows how white text looks on a background with the XYZ color 63.7268, 49.1721,

100.7401.

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

63.7268, 49.1721, 100.7401

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.7580, 49.6181, 97.3445



Tritanopia

54.0374, 49.0046, 53.6245

Trichromacy



Original Color

63.7268, 49.1721, 100.7401



Protanomaly

54.3662, 48.6988, 101.1421



Deuteranomaly

54.6389, 48.8947, 98.6533

Tritanomaly

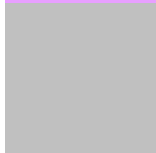
57.2503, 48.9275, 68.7139

Monochromacy



Original Color

63.7268, 49.1721, 100.7401



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.3191, 50.8142, 71.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7268, 49.1721, 100.7401 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(232, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 159, 255)  
}
```

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(232, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7268, 49.1721, 100.7401 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(232, 159, 255) }
```


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

```
.border{ border-color:rgb(232, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7268, 49.1721, 100.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 159, 255) }
```

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

```
.background{ background-color: rgb(232,  
159, 255) }
```

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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