

Converting Colors

XYZ(63.4173, 50.5012,
101.0130)

Have a look what the booklet for
XYZ(63.4173, 50.5012, 101.0130)
contains.

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Color

**XYZ(63.5000, 50.6242,
101.0324)**

Conversions

Conversions Part 1

Format	Color
Hex	E4A5FF
RGB	228, 165, 255
RGB Percent	89%, 65%, 100%
CMY	0.1059, 0.3529, 0.0000
CMYK	0.11, 0.35, 0.00, 0.00
HSL	282°, 100%, 82%
HSV	282°, 35%, 100%
XYZ	63.5000, 50.6242, 101.0324
YIQ	194.0970, 8.6580, 41.3460

Conversions

Conversions Part 2

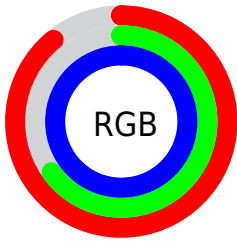
Format	Color
R _Y B	228, 165, 255
Decimal	14984703
CIE Lab	76.45, 38.61, -35.67
CIE LCh	76, 52.565, 317.260
Yxy	50.6242, 0.2951, 0.2353
Android (android.graphics.Color)	4293174783 (0xFFE4A5FF)
YUV	194.0970, 30.0252, 29.7329
Hunter-Lab	71.1507, 34.7926, -34.3850

Details

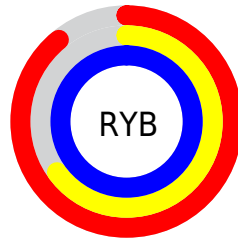
The XYZ color **63.5000, 50.6242, 101.0324** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.2908, 85.4436, 48.7033**, and the grayscale version is **51.1613, 53.8257, 58.6161**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **32.7818, 24.3235, 56.3932** is the 20% darker color. If you saturate the color by 10%, you get **56.9778, 41.1024, 99.5382**, and if you desaturate by 10%, it is **71.0496, 62.0393, 102.8378**.

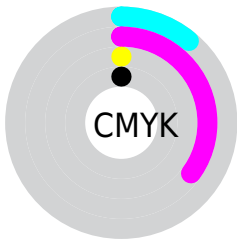
Distribution



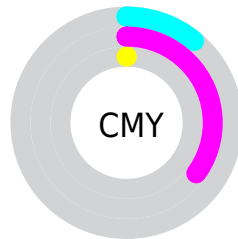
- Red (89%)
- Green (65%)
- Blue (100%)



- Red (89%)
- Yellow (65%)
- Blue (100%)



- Cyan (11%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5000, 50.6242, 101.0324 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 63.5000, 50.6242, 101.0324 by changing the saturation by 10% instead.


 63.5000, 50.6242,
101.0324


 63.5000, 50.6242,
101.0324


427.0127,
389.1020, 584.7725

 46.5060, 35.9096,
76.5413


 108.9683, 91.0990,
164.6394

 32.8516, 24.3644,
56.3672


 138.1733,
117.6281, 204.5925

 22.1715, 15.6042,
40.0914


172.1794,
148.8641, 250.5367

 14.1003, 9.2445,
27.2955

211.3518,
185.1914, 302.8904

 8.2726, 4.9010,
17.5609

256.0560,
226.9944, 362.0724

 4.3231, 2.1893,
10.4690

306.6573,

 1.8865, 0.7141,

274.6576, 428.5010

5.6014

363.5211,
328.5653, 502.5949

■ 0.5690, 0.0000,
2.5394

■ 0.0000, 0.0000,
0.8609

■ 63.5000, 50.6242,
101.0324

■ 63.5000, 50.6242,
101.0324

■ 56.9778, 41.1024,
99.5382

■ 71.0496, 62.0393,
102.8378

■ 51.4222, 33.3574,
98.3361

■ 79.6734, 75.4425,
104.9704

■ 46.7727, 27.2692,
97.4060

■ 89.4211, 90.9300,
107.4460

■ 42.9594, 22.7003,
96.7251

■ 95.0500, 100.0000,
108.9000

■ 39.9010, 19.4901,
96.2667

■ 37.4973, 17.4407,
95.9978

■ 36.5255, 16.7445,
95.9146

Harmonies

Analogous

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



53.9904, 50.6242, 125.3203



63.5000, 50.6242, 101.0324



69.1813, 50.6242, 68.0431

Triad

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



63.5000, 50.6242, 101.0324



52.4393, 50.6242, 17.2055



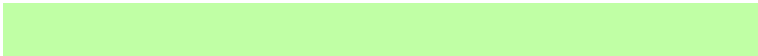
32.1274, 50.6242, 72.9360

Complementary

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



63.5000, 50.6242, 101.0324



64.2908, 85.4436, 48.7033

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.



31.8314, 50.6242, 43.9484



63.5000, 50.6242, 101.0324



42.6854, 50.6242, 17.7228

Square

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



63.5000, 50.6242, 101.0324



62.2311, 50.6242, 23.9874



35.4432, 50.6242, 25.7764



36.3163, 50.6242, 105.6556

Rectangle

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



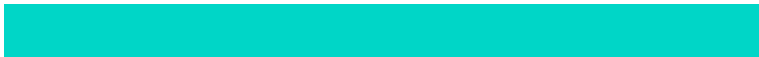
63.5000, 50.6242, 101.0324



69.5848, 50.6242, 48.5131



35.4432, 50.6242, 25.7764



31.5920, 50.6242, 62.3035

Sweetspot

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



63.5015, 50.6263, 101.0327



83.7171, 81.8296, 105.9901



52.4184, 52.9205, 102.0597



17.6407, 17.0741, 22.6158



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.



63.5015, 50.6263, 101.0327



59.0159, 44.0359, 99.9970



69.9822, 54.2864, 86.9113



18.2310, 18.0108, 22.7655



19.2433, 8.8308, 50.1249



1.9841, 0.9168, 4.8856

Inverse Universe

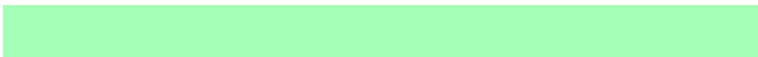
The Inverse Universe completely reimagines the original color for something new.



64.2107, 51.9778, 56.5191



60.0554, 45.7049, 48.8523



59.8257, 82.9389, 57.6574



18.2336, 18.0768, 19.8474



22.2967, 11.4080, 4.9467



2.2167, 1.1291, 0.7228

Previews

White Background



This preview shows how the XYZ color 63.5000, 50.6242, 101.0324 looks on a white background.

Color Contrast Check

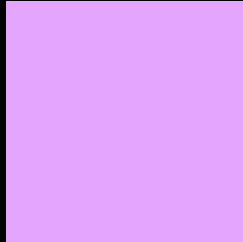
Large Text (above 18pt) WCAG AA × Fail

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 63.5000, 50.6242, 101.0324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

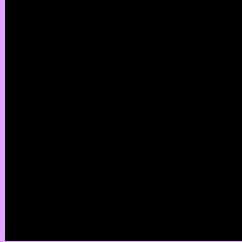
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5000, 50.6242, 101.0324

Background



This preview shows how black text looks on a background with the XYZ color 63.5000, 50.6242, 101.0324.



This preview shows how white text looks on a background with the XYZ color 63.5000, 50.6242,

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

63.5000, 50.6242, 101.0324

Protanopia

51.9688, 51.0855, 101.7292

Deuteranopia

52.2051, 50.9671, 98.3529



Tritanopia

54.3483, 50.5520, 56.7622

Trichromacy



Original Color

63.5000, 50.6242, 101.0324



Protanomaly

55.4053, 50.4073, 101.4172



Deuteranomaly

55.4834, 50.2065, 98.8620

Tritanomaly

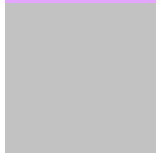
57.3335, 50.3230, 70.9815

Monochromacy



Original Color

63.5000, 50.6242, 101.0324



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

54.7818, 51.9467, 72.1051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5000, 50.6242, 101.0324 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(228, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 165, 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(228, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.5000, 50.6242, 101.0324 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(228, 165, 255) }
```


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

```
.border{ border-color:rgb(228, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5000, 50.6242, 101.0324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 165, 255) }
```

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

```
.background{ background-color: rgb(228,  
165, 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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