

# Converting Colors

XYZ(65.6584, 51.8219,  
114.3138)

Have a look what the booklet for  
XYZ(65.6584, 51.8219, 114.3138)  
contains.

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# Color

**XYZ(63.0502, 50.6612,  
101.0632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A6FF
RGB	226, 166, 255
RGB Percent	89%, 65%, 100%
CMY	0.1137, 0.3490, 0.0000
CMYK	0.11, 0.35, 0.00, 0.00
HSL	280°, 100%, 83%
HSV	280°, 35%, 100%
XYZ	63.0502, 50.6612, 101.0632
YIQ	194.0860, 7.1910, 40.3990

# Conversions

## Conversions Part 2

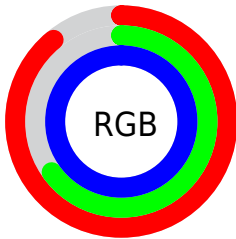
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 166, 255
Decimal	14853887
CIE <sub>Lab</sub>	76.47, 37.47, -35.66
CIE <sub>LCh</sub>	76, 51.727, 316.425
Y <sub>xy</sub>	50.6612, 0.2936, 0.2359
Android (android.graphics.Color)	4293043967 (0xFFE2A6FF)
YUV	194.0860, 30.0306, 27.9886
Hunter-Lab	71.1767, 33.5609, -34.3617

# Details

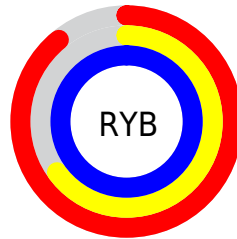
The XYZ color **63.0502, 50.6612, 101.0632** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.1498, 85.8758, 49.2207**, and the grayscale version is **51.1554, 53.8195, 58.6094**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **32.4604, 24.3225, 56.4099** is the 20% darker color. If you saturate the color by 10%, you get **56.3238, 40.9822, 99.5495**, and if you desaturate by 10%, it is **70.8249, 62.2473, 102.8898**.

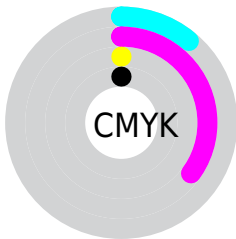
# Distribution



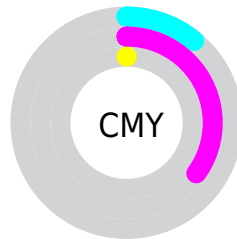
- Red (89%)
- Green (65%)
- Blue (100%)



- 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 63.0502, 50.6612, 101.0632 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 63.0502, 50.6612, 101.0632 by changing the saturation by 10% instead.





 63.0502, 50.6612,  
101.0632


 63.0502, 50.6612,  
101.0632


425.4084,  
389.2460, 584.8718

 46.1406, 35.9390,  
76.5669

 108.3233, 91.1538,  
164.6821

 32.5619, 24.3871,  
56.3881


 137.4176,  
117.6930, 204.6418

 21.9487, 15.6210,  
40.1081

171.3041,  
148.9400, 250.5931

 13.9356, 9.2564,  
27.3084

210.3483,  
185.2792, 302.9545

 8.1573, 4.9088,  
17.5705

254.9155,  
227.0950, 362.1445

 4.2484, 2.1938,  
10.4758

305.3710,

 1.8436, 0.7166,

274.7719, 428.5817

5.6059

362.0802,  
328.6941, 502.6846

■ 0.5437, 0.0000,  
2.5421

■ 0.0000, 0.0000,  
0.8623

■ 63.0502, 50.6612,  
101.0632

■ 63.0502, 50.6612,  
101.0632

■ 56.3238, 40.9822,  
99.5495

■ 70.8249, 62.2473,  
102.8898

■ 50.5846, 33.0940,  
98.3294

■ 79.6951, 75.8353,  
105.0450

■ 45.7722, 26.8770,  
97.3831

■ 89.7105, 91.5212,  
107.5448

■ 41.8165, 22.1941,  
96.6877

■ 95.0500, 100.0000,  
108.9000

■ 38.6363, 18.8857,  
96.2167

■ 36.1321, 16.7554,  
95.9375

■ 35.0438, 15.9806,  
95.8453

# Harmonies

## Analogous

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



53.6495, 50.6612, 124.3481



63.0502, 50.6612, 101.0632



68.7703, 50.6612, 68.7477

# Triad

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



63.0502, 50.6612, 101.0632



52.6877, 50.6612, 17.7011



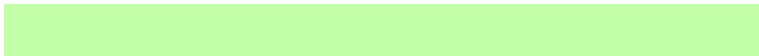
32.3157, 50.6612, 71.7773

# Complementary

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



63.0502, 50.6612, 101.0632



65.1498, 85.8758, 49.2207

# 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.



32.1312, 50.6612, 43.4946



63.0502, 50.6612, 101.0632



43.0434, 50.6612, 18.0269

# Square

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



63.0502, 50.6612, 101.0632



62.2646, 50.6612, 24.6914



35.8075, 50.6612, 25.8125



36.3512, 50.6612, 103.9159



# Rectangle

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



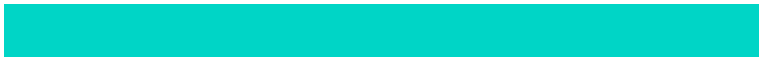
63.0502, 50.6612, 101.0632



69.2865, 50.6612, 49.3694



35.8075, 50.6612, 25.8125



31.8221, 50.6612, 61.3897

# Sweetspot

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



63.0518, 50.6633, 101.0635



84.4568, 83.2538, 106.2260



53.4424, 54.6586, 102.3412



17.7788, 17.3532, 22.6624



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.



63.0518, 50.6633, 101.0635



58.1705, 43.6001, 99.9575



70.6302, 54.8354, 89.4303



18.1836, 17.9864, 22.7633



18.4747, 8.4345, 50.0889



1.9136, 0.8804, 4.8824



# Inverse Universe

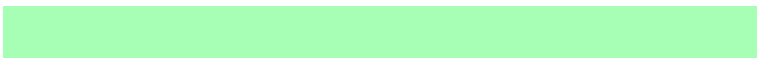
The Inverse Universe completely reimagines the original color for something new.



64.7277, 52.4745, 58.3485



60.3404, 45.8189, 50.3528



59.8107, 82.9570, 56.4886



18.2534, 18.0847, 19.9513



22.4270, 11.4601, 5.6331

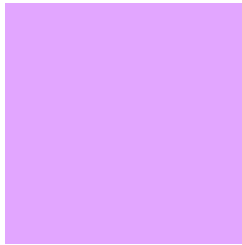


2.2314, 1.1349, 0.7999



# Previews

## White Background



This preview shows how the XYZ color 63.0502, 50.6612, 101.0632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

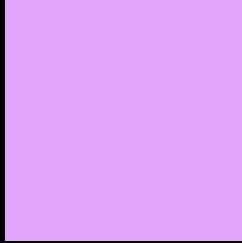
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.0502, 50.6612, 101.0632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

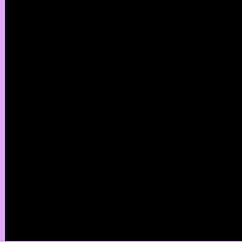
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.0502, 50.6612, 101.0632

## Background



This preview shows how black text looks on a background with the XYZ color 63.0502, 50.6612, 101.0632.



This preview shows how white text looks on a background with the XYZ color 63.0502, 50.6612,



# 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

63.0502, 50.6612, 101.0632

### Protanopia

51.9688, 51.0855, 101.7292

### Deuteranopia

52.2051, 50.9671, 98.3529



## Tritanopia

54.0646, 50.6894, 57.3866

# Trichromacy



## Original Color

63.0502, 50.6612, 101.0632



## Protanomaly

55.1564, 50.2790, 101.4055



## Deuteranomaly

55.4290, 50.4749, 98.9167



## Tritanomaly

57.0459, 50.4456, 71.6961

# Monochromacy



## Original Color

63.0502, 50.6612, 101.0632



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

54.9888, 52.3607, 72.1741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0502, 50.6612, 101.0632 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(226, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 166, 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(226, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 166, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0502, 50.6612, 101.0632 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(226, 166, 255) }
```



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

```
.border{ border-color:rgb(226, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 166,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0502, 50.6612, 101.0632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 166, 255) }
```

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

```
.background{ background-color: rgb(226,  
166, 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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