

# Converting Colors

XYZ(73.4975, 57.5358,  
147.1199)

Have a look what the booklet for  
XYZ(73.4975, 57.5358, 147.1199)  
contains.

<b>XYZ(64.7440, 54.0487, 101.6278)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.7440, 54.0487,  
101.6278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2AFFF
RGB	226, 175, 255
RGB Percent	89%, 69%, 100%
CMY	0.1137, 0.3137, 0.0000
CMYK	0.11, 0.31, 0.00, 0.00
HSL	278°, 100%, 84%
HSV	278°, 31%, 100%
XYZ	64.7440, 54.0487, 101.6278
YIQ	199.3690, 4.7160, 35.6920

# Conversions

## Conversions Part 2

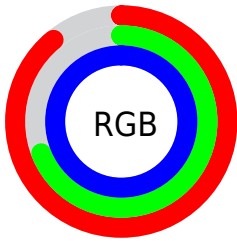
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 175, 255
Decimal	14856191
CIE Lab	78.49, 32.65, -32.54
CIE LCh	78, 46.099, 315.097
Yxy	54.0487, 0.2937, 0.2452
Android (android.graphics.Color)	4293046271 (0xFFE2AFFF)
YUV	199.3690, 27.4261, 23.3554
Hunter-Lab	73.5178, 28.5411, -30.4974

# Details

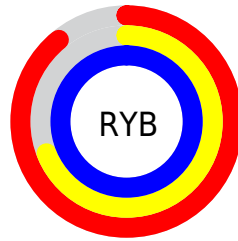
The XYZ color **64.7440, 54.0487, 101.6278** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.4009, 87.4531, 53.8349**, and the grayscale version is **54.3487, 57.1791, 62.2680**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **33.7301, 26.5423, 56.7715** is the 20% darker color. If you saturate the color by 10%, you get **57.4210, 43.5897, 99.9950**, and if you desaturate by 10%, it is **73.1635, 66.4668, 103.5810**.

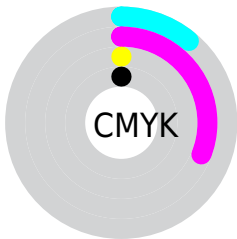
# Distribution



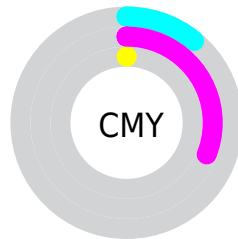
- Red (89%)
- Green (69%)
- Blue (100%)



- Red (89%)
- Yellow (69%)
- Blue (100%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7440, 54.0487, 101.6278 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 64.7440, 54.0487, 101.6278 by changing the saturation by 10% instead.




 64.7440, 54.0487,  
101.6278

 64.7440, 54.0487,  
101.6278


431.4312,  
402.2957, 586.6902

 47.5175, 38.6406,  
77.0362


 110.7495, 96.1457,  
165.4637

 33.6546, 26.4802,  
56.7709

140.2591,  
123.6035, 205.5451

 22.7900, 17.1833,  
40.4132


174.5939,  
155.8465, 251.6269

 14.5584, 10.3652,  
27.5446

214.1190,  
193.2593, 304.1276

 8.5943, 5.6418,  
17.7466

259.2000,  
236.2263, 363.4657

 4.5325, 2.6285,  
10.6007

310.2021,

 2.0076, 0.9410,

285.1317, 430.0599

5.6882

367.4907,  
340.3600, 504.3285

■ 0.6382, 0.0000,  
2.5907

■ 0.0000, 0.0000,  
0.8877

■ 64.7440, 54.0487,  
101.6278

■ 64.7440, 54.0487,  
101.6278

■ 57.4210, 43.5897,  
99.9950

■ 73.1635, 66.4668,  
103.5810

■ 51.1345, 34.9762,  
98.6637

■ 82.7259, 80.9361,  
105.8698

■ 45.8254, 28.0928,  
97.6149

■ 93.4805, 97.5506,  
108.5099

■ 41.4260, 22.8081,  
96.8267

■ 95.0500, 100.0000,  
108.9000

■ 37.8590, 18.9710,  
96.2741

■ 35.0317, 16.4004,  
95.9270

■ 33.0651, 14.9606,  
95.7527

# Harmonies

## Analogous

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



56.0502, 54.0487, 121.4596



64.7440, 54.0487, 101.6278



70.1394, 54.0487, 72.6555

# Triad

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



64.7440, 54.0487, 101.6278



55.9897, 54.0487, 22.5710



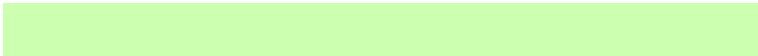
36.3036, 54.0487, 72.8440

# Complementary

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



64.7440, 54.0487, 101.6278



68.4009, 87.4531, 53.8349

# 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.



36.2914, 54.0487, 46.9142



64.7440, 54.0487, 101.6278



46.9610, 54.0487, 22.5942

# Square

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



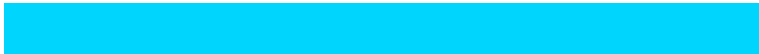
64.7440, 54.0487, 101.6278



64.6952, 54.0487, 30.0832



39.9804, 54.0487, 30.1599



40.0158, 54.0487, 101.8004



# Rectangle

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



64.7440, 54.0487, 101.6278



70.7786, 54.0487, 54.5221



39.9804, 54.0487, 30.1599



35.8823, 54.0487, 63.4008

# Sweetspot

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



64.7456, 54.0509, 101.6281



85.1660, 84.6775, 106.4634



57.4032, 59.6803, 103.1017



17.9068, 17.6299, 22.7091



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.



64.7456, 54.0509, 101.6281



59.7711, 46.9039, 100.5108



72.9508, 58.4738, 93.2957



18.1167, 17.9519, 22.7602



17.4467, 7.9046, 50.0408



1.8185, 0.8314, 4.8779



# Inverse Universe

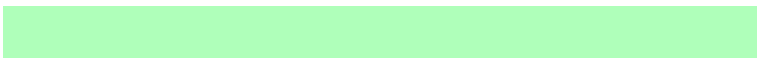
The Inverse Universe completely reimagines the original color for something new.



67.4703, 56.2816, 64.4357



63.1348, 49.6082, 56.8319



62.2682, 84.1657, 59.2348



18.2815, 18.0959, 20.0994



22.6331, 11.5426, 6.7186



2.2539, 1.1439, 0.9184



# Previews

## White Background



This preview shows how the XYZ color 64.7440, 54.0487, 101.6278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

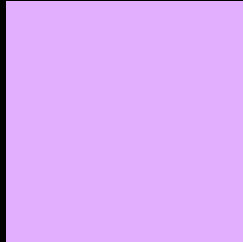
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7440, 54.0487, 101.6278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

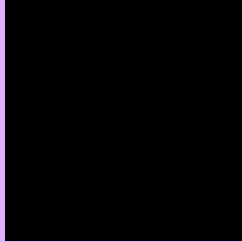
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.7440, 54.0487, 101.6278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7440, 54.0487, 101.6278.



This preview shows how white text looks on a background with the XYZ color 64.7440, 54.0487,

101.6278.

# 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

64.7440, 54.0487, 101.6278

### Protanopia

55.0311, 54.2664, 102.1818

### Deuteranopia

55.7299, 54.3572, 99.6502



## Tritanopia

56.8977, 54.1934, 62.1051

# Trichromacy



## Original Color

64.7440, 54.0487, 101.6278



## Protanomaly

58.1146, 53.9399, 101.9562



## Deuteranomaly

58.6318, 53.9319, 100.2482



## Tritanomaly

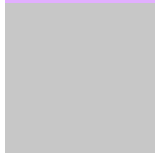
59.4650, 53.9954, 74.9981

# Monochromacy



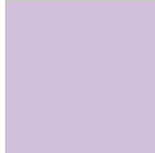
## Original Color

64.7440, 54.0487, 101.6278



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

57.4941, 55.4967, 74.6995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7440, 54.0487, 101.6278 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 175, 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, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 175, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7440, 54.0487, 101.6278 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, 175, 255) }
```



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

```
.border{ border-color:rgb(226, 175, 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, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 175,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7440, 54.0487, 101.6278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 175, 255) }
```

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

```
.background{ background-color: rgb(226,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor