

Converting Colors

XYZ(65.3710, 53.8602,
108.0284)

Have a look what the booklet for
XYZ(65.3710, 53.8602, 108.0284)
contains.

XYZ(64.2374, 53.4997, 101.5485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.2374, 53.4997,
101.5485)**

Conversions

Conversions Part 1

Format	Color
Hex	E1AEFF
RGB	225, 174, 255
RGB Percent	88%, 68%, 100%
CMY	0.1176, 0.3176, 0.0000
CMYK	0.12, 0.32, 0.00, 0.00
HSL	278°, 100%, 84%
HSV	278°, 32%, 100%
XYZ	64.2374, 53.4997, 101.5485
YIQ	198.4830, 4.3950, 36.0030

Conversions

Conversions Part 2

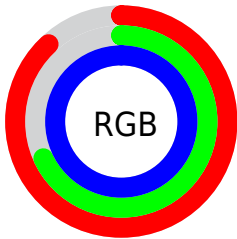
Format	Color
R _Y B	225, 174, 255
Decimal	14790399
CIE _L ab	78.17, 32.89, -33.04
CIE _L Ch	78, 46.619, 314.862
Yxy	53.4997, 0.2929, 0.2440
Android (android.graphics.Color)	4292980479 (0xFFE1AEFF)
YUV	198.4830, 27.8629, 23.2554
Hunter-Lab	73.1435, 28.7644, -31.1146

Details

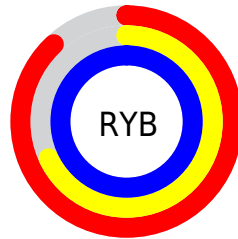
The XYZ color **64.2374, 53.4997, 101.5485** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.3030, 87.4139, 53.3195**, and the grayscale version is **53.8057, 56.6077, 61.6458**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **33.3926, 26.1870, 56.7207** is the 20% darker color. If you saturate the color by 10%, you get **56.9077, 43.0902, 99.9256**, and if you desaturate by 10%, it is **72.6683, 65.8677, 103.4914**.

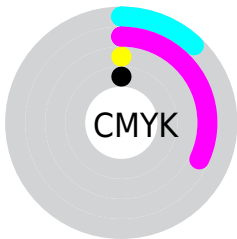
Distribution



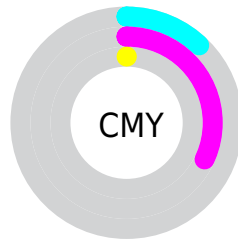
- Red (88%)
- Green (68%)
- Blue (100%)



- Red (88%)
- Yellow (68%)
- Blue (100%)



- Cyan (12%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2374, 53.4997, 101.5485 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 64.2374, 53.4997, 101.5485 by changing the saturation by 10% instead.


 64.2374, 53.4997,
101.5485

 64.2374, 53.4997,
101.5485

429.6351,
400.1993, 586.4350

 47.1054, 38.2018,
76.9703


 110.0246, 95.3393,
165.3539

 33.3273, 26.1394,
56.7171

139.4105,
122.6498, 205.4183

 22.5377, 16.9279,
40.3703


173.6117,
154.7332, 251.4818

 14.3713, 10.1831,
27.5114

212.9936,
191.9741, 303.9629

 8.4628, 5.5205,
17.7218

257.9215,
234.7567, 363.2803

 4.4468, 2.5558,
10.5831

308.7608,

 1.9579, 0.9045,

283.4656, 429.8524

5.6766

365.8769,
338.4850, 504.0978

■ 0.6101, 0.0000,
2.5839

■ 0.0000, 0.0000,
0.8841

■ 64.2374, 53.4997,
101.5485

■ 64.2374, 53.4997,
101.5485

■ 56.9077, 43.0902,
99.9256

■ 72.6683, 65.8677,
103.4914

■ 50.6187, 34.5252,
98.6039

■ 82.2469, 80.2866,
105.7697

■ 45.3109, 27.6887,
97.5640

■ 93.0228, 96.8510,
108.3990

■ 40.9163, 22.4485,
96.7842

■ 95.0500, 100.0000,
108.9000

■ 37.3566, 18.6527,
96.2392

■ 34.5384, 16.1183,
95.8985

■ 32.6588, 14.7511,
95.7337

Harmonies

Analogous

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



55.4775, 53.4997, 121.4568



64.2374, 53.4997, 101.5485



69.7070, 53.4997, 72.3630

Triad

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



64.2374, 53.4997, 101.5485



55.5639, 53.4997, 21.9999



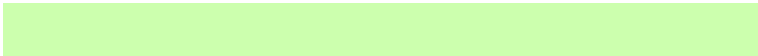
35.7256, 53.4997, 72.0935

Complementary

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



64.2374, 53.4997, 101.5485



68.3030, 87.4139, 53.3195

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.



35.7428, 53.4997, 46.1063



64.2374, 53.4997, 101.5485



46.4870, 53.4997, 21.9673

Square

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



64.2374, 53.4997, 101.5485



64.3072, 53.4997, 29.5415



39.4649, 53.4997, 29.4329



39.4146, 53.4997, 101.3011

Rectangle

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



64.2374, 53.4997, 101.5485



70.3817, 53.4997, 54.1018



39.4649, 53.4997, 29.4329



35.3138, 53.4997, 62.6093

Sweetspot

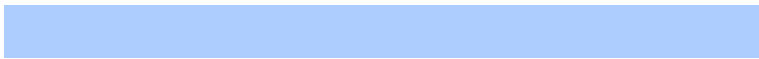
The Sweet Spot groups the original color and five complimentary colors.



64.2390, 53.5019, 101.5489



84.0582, 83.0483, 106.2073



57.3506, 59.9072, 103.1483



17.6822, 17.3033, 22.6579



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.



64.2390, 53.5019, 101.5489



59.5409, 46.7852, 100.5000



72.9426, 58.1602, 94.2091



18.1023, 17.9445, 22.7595



17.2353, 7.7956, 50.0309



1.7988, 0.8212, 4.8770

Inverse Universe

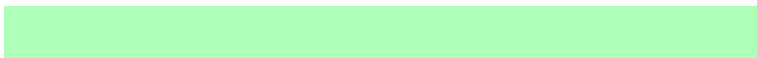
The Inverse Universe completely reimagines the original color for something new.



67.2764, 55.8937, 64.3711



63.2202, 49.6424, 57.2820



61.8113, 83.9571, 57.9956



18.2875, 18.0983, 20.1313



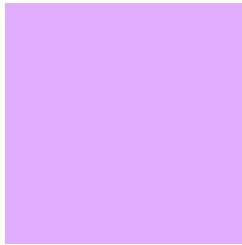
22.6807, 11.5616, 6.9693



2.2590, 1.1460, 0.9452

Previews

White Background



This preview shows how the XYZ color 64.2374, 53.4997, 101.5485 looks on a white background.

Color Contrast Check

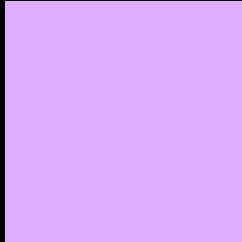
Large Text (above 18pt) WCAG AA × Fail

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 64.2374, 53.4997, 101.5485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

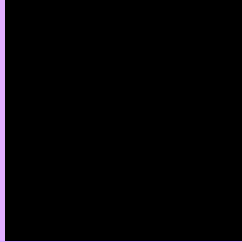
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2374, 53.4997, 101.5485

Background



This preview shows how black text looks on a background with the XYZ color 64.2374, 53.4997, 101.5485.



This preview shows how white text looks on a background with the XYZ color 64.2374, 53.4997,

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

64.2374, 53.4997, 101.5485

Protanopia

54.3600, 53.5956, 102.0876

Deuteranopia

55.0402, 53.6789, 99.5556



Tritanopia

55.9767, 53.4204, 61.3937

Trichromacy



Original Color

64.2374, 53.4997, 101.5485



Protanomaly

57.3913, 53.2554, 101.8622



Deuteranomaly

57.8961, 53.2431, 100.1540

Tritanomaly

58.5235, 53.2223, 74.2062

Monochromacy



Original Color

64.2374, 53.4997, 101.5485



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

56.9962, 54.9196, 74.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2374, 53.4997, 101.5485 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(225, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 174, 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(225, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.2374, 53.4997, 101.5485 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(225, 174, 255) }
```


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

```
.border{ border-color:rgb(225, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2374, 53.4997, 101.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 174, 255) }
```

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

```
.background{ background-color: rgb(225,  
174, 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