

Converting Colors

XYZ(64.0668, 54.9284,
100.7597)

Have a look what the booklet for
XYZ(64.0668, 54.9284, 100.7597)
contains.

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Color

**XYZ(64.1337, 54.9256,
100.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB3FE
RGB	222, 179, 254
RGB Percent	87%, 70%, 100%
CMY	0.1294, 0.2980, 0.0039
CMYK	0.13, 0.30, 0.00, 0.00
HSL	274°, 97%, 85%
HSV	274°, 30%, 100%
XYZ	64.1337, 54.9256, 100.9874
YIQ	200.4070, 1.5530, 32.4410

Conversions

Conversions Part 2

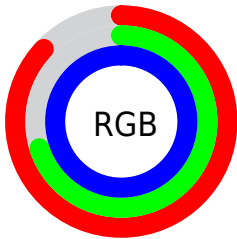
Format	Color
R _Y B	222, 179, 254
Decimal	14595070
CIE Lab	79.00, 29.07, -31.25
CIE LCh	79, 42.686, 312.931
Yxy	54.9256, 0.2915, 0.2496
Android (android.graphics.Color)	4292785150 (0xFFDEB3FE)
YUV	200.4070, 26.4213, 18.9371
Hunter-Lab	74.1118, 24.7718, -28.9124

Details

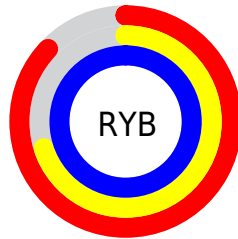
The XYZ color **64.1337, 54.9256, 100.9874** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **70.4443, 87.9885, 55.9211**, and the grayscale version is **54.9936, 57.8576, 63.0069**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **33.2648, 27.0599, 56.2932** is the 20% darker color. If you saturate the color by 10%, you get **56.2912, 44.0100, 99.2947**, and if you desaturate by 10%, it is **73.1308, 67.8310, 103.0051**.

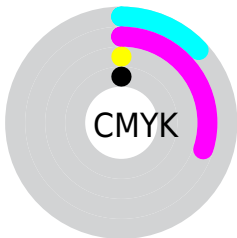
Distribution



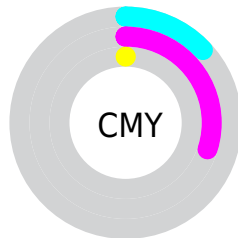
- Red (87%)
- Green (70%)
- Blue (100%)



- Red (87%)
- Yellow (70%)
- Blue (100%)



- Cyan (13%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1337, 54.9256, 100.9874 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 64.1337, 54.9256, 100.9874 by changing the saturation by 10% instead.

64.1337, 54.9256,
100.9874

64.1337, 54.9256,
100.9874

429.2669,
405.6298, 584.6274

47.0211, 39.3422,
76.5039

109.8761, 97.4319,
164.5771

33.2603, 27.0260,
56.3367

139.2366,
125.1236, 204.5205

22.4861, 17.5928,
40.0671

173.4104,
157.6202, 250.4542

14.3331, 10.6580,
27.2767

212.7629,
195.3060, 302.7969

8.4360, 5.8374,
17.5469

257.6595,
238.5655, 361.9670

4.4293, 2.7464,
10.4591

308.4654,

1.9478, 1.0008,

287.7830, 428.3831

5.5948

365.5461,
343.3430, 502.4637

■ 0.6044, 0.0000,
2.5355

■ 0.0000, 0.0000,
0.8589

■ 64.1337, 54.9256,
100.9874

■ 64.1337, 54.9256,
100.9874

■ 56.2912, 44.0100,
99.2947

■ 73.1308, 67.8310,
103.0051

■ 49.5423, 34.9721,
97.9059

■ 83.3285, 82.8164,
105.3601

■ 43.8283, 27.6990,
96.8032

94.7113, 99.8439,
108.0468

■ 39.0819, 22.0627,
95.9655

94.8896, 99.9358,
108.0551

■ 35.2267, 17.9167,
95.3684

■ 32.1726, 15.0875,
94.9833

■ 29.7815, 13.3058,
94.7654

■ 29.6772, 13.2326,
94.7568

Harmonies

Analogous

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



55.9446, 54.9256, 117.9323



64.1337, 54.9256, 100.9874



69.4195, 54.9256, 74.6056

Triad

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



64.1337, 54.9256, 100.9874



57.1454, 54.9256, 25.3175



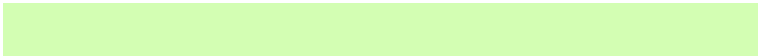
37.8547, 54.9256, 70.8903

Complementary

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



64.1337, 54.9256, 100.9874



70.4443, 87.9885, 55.9211

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.



38.1015, 54.9256, 47.1034



64.1337, 54.9256, 100.9874



48.6361, 54.9256, 24.8281

Square

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



64.1337, 54.9256, 100.9874



65.0945, 54.9256, 33.2757



41.8557, 54.9256, 31.6869



41.1405, 54.9256, 97.6401

Rectangle

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



64.1337, 54.9256, 100.9874



70.2667, 54.9256, 57.4453



41.8557, 54.9256, 31.6869



37.5386, 54.9256, 62.2277

Sweetspot

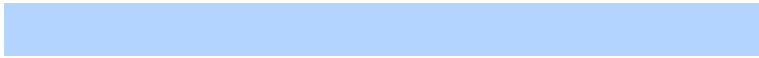
The Sweet Spot groups the original color and five complimentary colors.



64.1355, 54.9279, 100.9886



84.6494, 84.4113, 106.4392



59.9005, 63.5790, 102.8817



17.7794, 17.5642, 22.7031



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.



64.1355, 54.9279, 100.9886



60.2322, 49.1410, 100.9183



74.0936, 60.1528, 97.3291



18.0002, 17.8919, 22.7547



15.8183, 7.0651, 49.9646



1.6652, 0.7524, 4.8707

Inverse Universe

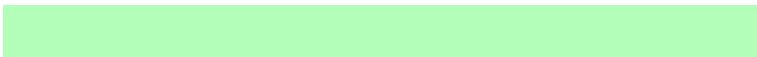
The Inverse Universe completely reimagines the original color for something new.



68.7528, 58.0165, 69.2050



65.7096, 52.7931, 63.7470



62.6859, 83.9294, 58.2460



18.3310, 18.1157, 20.3604



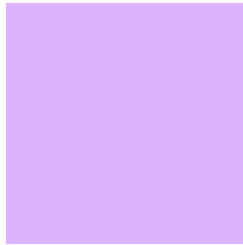
23.0566, 11.7119, 8.9487



2.2983, 1.1617, 1.1522

Previews

White Background



This preview shows how the XYZ color 64.1337, 54.9256, 100.9874 looks on a white background.

Color Contrast Check

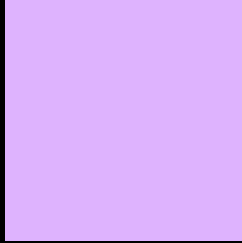
Large Text (above 18pt) WCAG AA × Fail

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 64.1337, 54.9256, 100.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

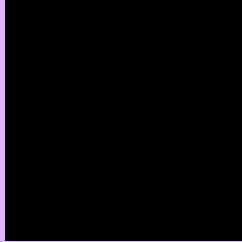
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1337, 54.9256, 100.9874

Background



This preview shows how black text looks on a background with the XYZ color 64.1337, 54.9256, 100.9874.



This preview shows how white text looks on a background with the XYZ color 64.1337, 54.9256,

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

64.1337, 54.9256, 100.9874

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.2698, 54.9786, 98.9130



Tritanopia

56.8282, 55.0510, 64.7575

Trichromacy



Original Color

64.1337, 54.9256, 100.9874



Protanomaly

58.7533, 55.2173, 102.1691



Deuteranomaly

58.6297, 54.5747, 99.5393



Tritanomaly

59.1490, 54.7236, 76.5525

Monochromacy



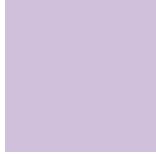
Original Color

64.1337, 54.9256, 100.9874



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

57.7803, 56.2765, 75.5272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1337, 54.9256, 100.9874 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(222, 179, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 179, 254)  
}
```

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(222, 179, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 179, 254) }
```

Border

The CSS property to change the border of an element to XYZ 64.1337, 54.9256, 100.9874 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(222, 179, 254) }
```


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

```
.border{ border-color:rgb(222, 179, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 179, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 179, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 179, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 179,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1337, 54.9256, 100.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 179, 254) }
```

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

```
.background{ background-color: rgb(222,  
179, 254) }
```

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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