

Converting Colors

XYZ(63.6773, 50.1863,
100.9385)

Have a look what the booklet for
XYZ(63.6773, 50.1863, 100.9385)
contains.

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Color

**XYZ(63.7803, 50.2374,
100.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	E6A3FF
RGB	230, 163, 255
RGB Percent	90%, 64%, 100%
CMY	0.0980, 0.3608, 0.0000
CMYK	0.10, 0.36, 0.00, 0.00
HSL	284°, 100%, 82%
HSV	284°, 36%, 100%
XYZ	63.7803, 50.2374, 100.9429
YIQ	193.5210, 10.4000, 42.8160

Conversions

Conversions Part 2

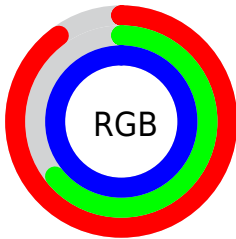
Format	Color
R _Y B	230, 163, 255
Decimal	15115263
CIE _{Lab}	76.21, 40.27, -36.02
CIE _{LCh}	76, 54.029, 318.182
Y _{xy}	50.2374, 0.2967, 0.2337
Android (android.graphics.Color)	4293305343 (0xFFE6A3FF)
YUV	193.5210, 30.3091, 31.9921
Hunter-Lab	70.8783, 36.5872, -34.8243

Details

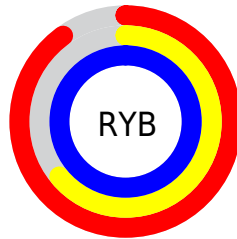
The XYZ color **63.7803, 50.2374, 100.9429** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.1111, 84.8563, 47.7052**, and the grayscale version is **50.8194, 53.4659, 58.2244**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **33.0026, 24.1133, 56.3410** is the 20% darker color. If you saturate the color by 10%, you get **57.5215, 40.9548, 99.4811**, and if you desaturate by 10%, it is **71.0434, 61.3952, 102.7138**.

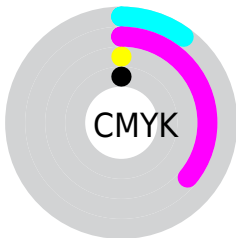
Distribution



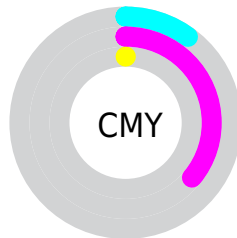
- Red (90%)
- Green (64%)
- Blue (100%)



- Red (90%)
- Yellow (64%)
- Blue (100%)



- Cyan (10%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7803, 50.2374, 100.9429 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 63.7803, 50.2374, 100.9429 by changing the saturation by 10% instead.


 63.7803, 50.2374,
100.9429


 63.7803, 50.2374,
100.9429


428.0106,
387.5936, 584.4840

 46.7338, 35.6021,
76.4670


 109.3700, 90.5265,
164.5155

 33.0323, 24.1270,
56.3065

 138.6438,
116.9491, 204.4492

 22.3105, 15.4279,
40.0431


172.7242,
148.0695, 250.3727

 14.2031, 9.1202,
27.2581

211.9764,
184.2722, 302.7043

 8.3447, 4.8197,
17.5330

256.7657,
225.9416, 361.8627

 4.3700, 2.1419,
10.4493

307.4577,

 1.9135, 0.6880,

273.4620, 428.2665

5.5884

364.4175,
327.2179, 502.3340

■ 0.5847, 0.0000,
2.5317

■ 0.0000, 0.0000,
0.8569

■ 63.7803, 50.2374,
100.9429

■ 63.7803, 50.2374,
100.9429

■ 57.5215, 40.9548,
99.4811

■ 71.0434, 61.3952,
102.7138

■ 52.2061, 33.4303,
98.3089

■ 79.3576, 74.5238,
104.8097

■ 47.7735, 27.5431,
97.4062

■ 88.7724, 89.7192,
107.2465

■ 44.1534, 23.1544,
96.7498

95.0500, 100.0000,
108.9000

■ 41.2638, 20.1016,
96.3129

■ 39.0030, 18.1829,
96.0617

■ 38.2289, 17.6226,
95.9944

Harmonies

Analogous

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



54.0864, 50.2374, 126.6260



63.7803, 50.2374, 100.9429



69.4560, 50.2374, 66.9339

Triad

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



63.7803, 50.2374, 100.9429



51.8489, 50.2374, 16.2596



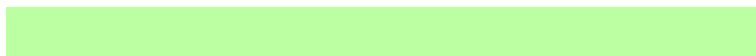
31.5361, 50.2374, 74.0112

Complementary

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



63.7803, 50.2374, 100.9429



63.1111, 84.8563, 47.7052

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.



31.1137, 50.2374, 44.0558



63.7803, 50.2374, 100.9429



41.9273, 50.2374, 16.9838

Square

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



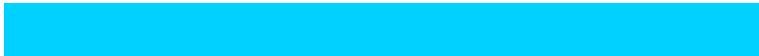
63.7803, 50.2374, 100.9429



61.9442, 50.2374, 22.7771



34.6581, 50.2374, 25.3065



35.9074, 50.2374, 107.6736

Rectangle

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



63.7803, 50.2374, 100.9429



69.7318, 50.2374, 47.1411



34.6581, 50.2374, 25.3065



30.9527, 50.2374, 63.0265

Sweetspot

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



63.7819, 50.2395, 100.9433



83.9966, 81.9738, 106.0032



51.3680, 51.4325, 101.8278



17.7075, 17.1086, 22.6189



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.



63.7819, 50.2395, 100.9433



59.3441, 43.6184, 99.8992



69.3433, 53.4582, 85.3123



18.2830, 18.0376, 22.7679



20.1260, 9.2858, 50.1662



2.0644, 0.9581, 4.8894

Inverse Universe

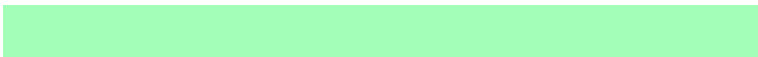
The Inverse Universe completely reimagines the original color for something new.



63.4155, 51.0871, 54.0970



59.1711, 44.7188, 46.1453



59.4060, 82.7233, 57.6017



18.2121, 18.0682, 19.7341



22.1679, 11.3565, 4.2687



2.2019, 1.1231, 0.6444

Previews

White Background



This preview shows how the XYZ color 63.7803, 50.2374, 100.9429 looks on a white background.

Color Contrast Check

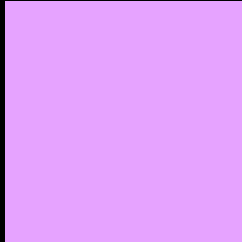
Large Text (above 18pt) WCAG AA × Fail

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 63.7803, 50.2374, 100.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

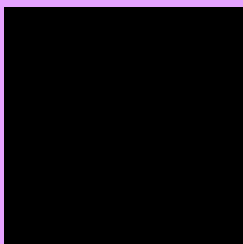
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7803, 50.2374, 100.9429

Background



This preview shows how black text looks on a background with the XYZ color 63.7803, 50.2374, 100.9429.



This preview shows how white text looks on a background with the XYZ color 63.7803, 50.2374,

100.9429.

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

63.7803, 50.2374, 100.9429

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.7748, 50.4336, 98.2726



Tritanopia

54.3348, 49.9840, 55.4993

Trichromacy



Original Color

63.7803, 50.2374, 100.9429



Protanomaly

55.2056, 50.0079, 101.3506



Deuteranomaly

55.2851, 49.8100, 98.7959

Tritanomaly

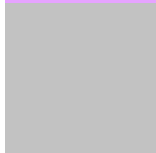
57.4410, 49.8282, 70.2087

Monochromacy



Original Color

63.7803, 50.2374, 100.9429



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

55.0603, 52.0902, 72.1182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7803, 50.2374, 100.9429 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(230, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 163, 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(230, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7803, 50.2374, 100.9429 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(230, 163, 255) }
```


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

```
.border{ border-color:rgb(230, 163, 255) }
```

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

Here you see how a box with a 4 pixel rgb(230, 163, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7803, 50.2374, 100.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 163, 255) }
```

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

```
.background{ background-color: rgb(230,  
163, 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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