

Converting Colors

XYZ(67.8266, 50.9143,
138.2898)

Have a look what the booklet for
XYZ(67.8266, 50.9143, 138.2898)
contains.

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Color

**XYZ(60.6137, 48.0819,
100.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA1FF
RGB	221, 161, 255
RGB Percent	87%, 63%, 100%
CMY	0.1333, 0.3686, 0.0000
CMYK	0.13, 0.37, 0.00, 0.00
HSL	278°, 100%, 82%
HSV	278°, 37%, 100%
XYZ	60.6137, 48.0819, 100.6938
YIQ	189.6560, 5.5860, 41.9540

Conversions

Conversions Part 2

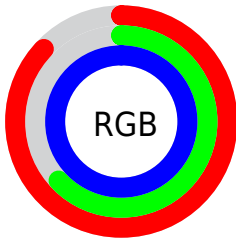
Format	Color
R _Y B	221, 161, 255
Decimal	14524927
CIE Lab	74.88, 38.67, -38.17
CIE LCh	75, 54.333, 315.369
Yxy	48.0819, 0.2895, 0.2296
Android (android.graphics.Color)	4292715007 (0xFFDDA1FF)
YUV	189.6560, 32.2146, 27.4887
Hunter-Lab	69.3411, 34.6867, -37.5593

Details

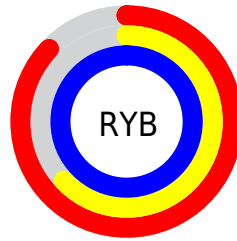
The XYZ color **60.6137, 48.0819, 100.6938** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.6996, 85.6957, 46.8512**, and the grayscale version is **48.5657, 51.0949, 55.6424**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **31.0727, 22.8017, 56.1895** is the 20% darker color. If you saturate the color by 10%, you get **53.8723, 38.6533, 99.2292**, and if you desaturate by 10%, it is **68.4210, 59.4111, 102.4691**.

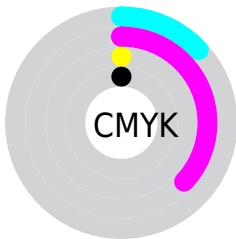
Distribution



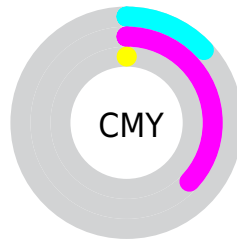
- Red (87%)
- Green (63%)
- Blue (100%)



- Red (87%)
- Yellow (63%)
- Blue (100%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.6137, 48.0819, 100.6938 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 60.6137, 48.0819, 100.6938 by changing the saturation by 10% instead.


 60.6137, 48.0819,
100.6938


 60.6137, 48.0819,
100.6938


416.6548,
379.1167, 583.6804

 44.1648, 33.8917,
76.2600


 104.8207, 87.3263,
164.1705

 30.9986, 22.8105,
56.1378


 133.3095,
113.1494, 204.0504

 20.7496, 14.4536,
39.9087

166.5424,
143.6189, 249.9161

 13.0525, 8.4368,
27.1541

204.8847,
179.1192, 302.1862

 7.5420, 4.3757,
17.4555

248.7017,
220.0348, 361.2791

 3.8526, 1.8859,
10.3944

298.3588,

 1.6191, 0.5399,

266.7499, 427.6134

5.5522

354.2214,
319.6491, 501.6077

■ 0.4048, 0.0000,
2.5104

■ 0.0000, 0.0000,
0.8457

■ 60.6137, 48.0819,
100.6938

■ 60.6137, 48.0819,
100.6938

■ 53.8723, 38.6533,
99.2292

■ 68.4210, 59.4111,
102.4691

■ 48.1343, 31.0071,
98.0558

■ 77.3429, 72.7382,
104.5712

■ 43.3369, 25.0205,
97.1531

■ 87.4306, 88.1604,
107.0163

■ 39.4077, 20.5523,
96.4977

95.0500, 100.0000,
108.9000

■ 36.2617, 17.4368,
96.0622

■ 33.7923, 15.4644,
95.8116

■ 33.1068, 14.9821,
95.7546

Harmonies

Analogous

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



50.9282, 48.0819, 124.3853



60.6137, 48.0819, 100.6938



66.6808, 48.0819, 67.3500

Triad

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



60.6137, 48.0819, 100.6938



50.6742, 48.0819, 15.3595



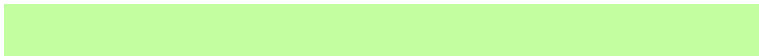
29.7066, 48.0819, 68.1552

Complementary

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



60.6137, 48.0819, 100.6938



64.6996, 85.6957, 46.8512

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.



29.6591, 48.0819, 39.7660



60.6137, 48.0819, 100.6938



40.8432, 48.0819, 15.4399

Square

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



60.6137, 48.0819, 100.6938



60.4047, 48.0819, 22.3723



33.4589, 48.0819, 22.6551



33.5999, 48.0819, 101.4634

Rectangle

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



60.6137, 48.0819, 100.6938



67.3691, 48.0819, 47.4203



33.4589, 48.0819, 22.6551



29.2612, 48.0819, 57.6165

Sweetspot

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



60.6152, 48.0838, 100.6941



83.1109, 81.5171, 105.9617



52.3693, 54.0385, 102.2781



17.4958, 16.9994, 22.6090



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.



60.6152, 48.0838, 100.6941



55.6962, 41.1640, 99.6177



70.0830, 53.1902, 90.9458



18.1181, 17.9526, 22.7602



17.4683, 7.9157, 50.0418



1.8205, 0.8324, 4.8780

Inverse Universe

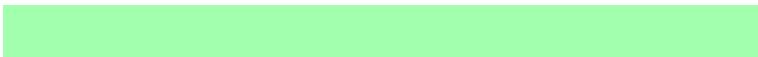
The Inverse Universe completely reimagines the original color for something new.



63.8362, 50.6915, 58.0509



59.6195, 44.2798, 50.4130



58.0538, 82.1355, 52.6022



18.2809, 18.0957, 20.0961



22.6284, 11.5406, 6.6935



2.2534, 1.1437, 0.9157

Previews

White Background



This preview shows how the XYZ color 60.6137, 48.0819, 100.6938 looks on a white background.

Color Contrast Check

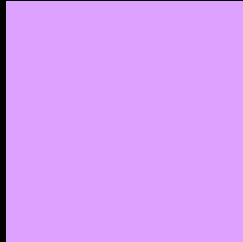
Large Text (above 18pt) WCAG AA × Fail

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 60.6137, 48.0819, 100.6938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

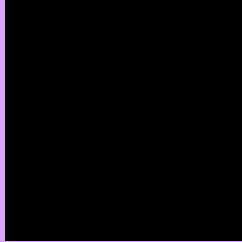
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.6137, 48.0819, 100.6938

Background



This preview shows how black text looks on a background with the XYZ color 60.6137, 48.0819, 100.6938.



This preview shows how white text looks on a background with the XYZ color 60.6137, 48.0819,

100.6938.

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

60.6137, 48.0819, 100.6938

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.6576, 48.4203, 97.9956



Tritanopia

51.2710, 48.1397, 54.1666

Trichromacy



Original Color

60.6137, 48.0819, 100.6938



Protanomaly

52.7145, 47.5594, 101.0093



Deuteranomaly

52.7143, 47.6147, 98.5077

Tritanomaly

54.2827, 47.9500, 68.6816

Monochromacy



Original Color

60.6137, 48.0819, 100.6938



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

52.3451, 49.5127, 70.4164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6137, 48.0819, 100.6938 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(221, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 161, 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(221, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.6137, 48.0819, 100.6938 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(221, 161, 255) }
```


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

```
.border{ border-color:rgb(221, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6137, 48.0819, 100.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 161, 255) }
```

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

```
.background{ background-color: rgb(221,  
161, 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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