

Converting Colors

XYZ(79.6569, 56.5671,
221.1538)

Have a look what the booklet for
XYZ(79.6569, 56.5671, 221.1538)
contains.

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Color

**XYZ(56.8631, 47.4716,
100.7737)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA6FF
RGB	205, 166, 255
RGB Percent	80%, 65%, 100%
CMY	0.1961, 0.3490, 0.0000
CMYK	0.20, 0.35, 0.00, 0.00
HSL	266°, 100%, 83%
HSV	266°, 35%, 100%
XYZ	56.8631, 47.4716, 100.7737
YIQ	187.8070, -5.3250, 35.9470

Conversions

Conversions Part 2

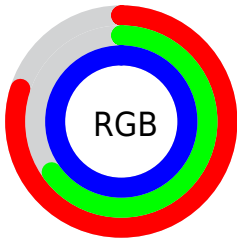
Format	Color
RYB	205, 166, 255
Decimal	13477631
CIELab	74.49, 31.26, -38.89
CIELCh	74, 49.897, 308.797
Yxy	47.4716, 0.2772, 0.2314
Android (android.graphics.Color)	4291667711 (0xFFCDA6FF)
YUV	187.8070, 33.1261, 15.0783
Hunter-Lab	68.8996, 26.7423, -38.4887

Details

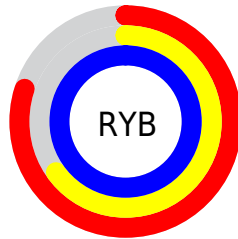
The XYZ color **56.8631, 47.4716, 100.7737** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.9626, 88.8724, 49.4923**, and the grayscale version is **47.5121, 49.9864, 54.4352**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **28.6048, 22.5014, 56.2616** is the 20% darker color. If you saturate the color by 10%, you get **48.9067, 37.1584, 99.2024**, and if you desaturate by 10%, it is **66.1033, 59.8129, 102.6688**.

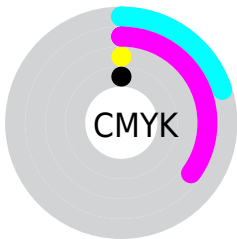
Distribution



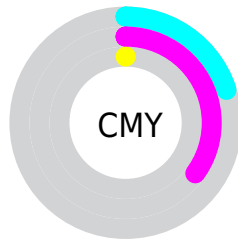
- Red (80%)
- Green (65%)
- Blue (100%)



- Red (80%)
- Yellow (65%)
- Blue (100%)



- Cyan (20%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8631, 47.4716, 100.7737 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 56.8631, 47.4716, 100.7737 by changing the saturation by 10% instead.


 56.8631, 47.4716,
100.7737


 56.8631, 47.4716,
100.7737


402.9586,
376.6938, 583.9382

 41.1350, 33.4086,
76.3264


 99.3979, 86.4171,
164.2812

 28.6128, 22.4397,
56.1919


 126.9354,
112.0685, 204.1784

 18.9309, 14.1803,
39.9518


159.1401,
142.3515, 250.0626

 11.7241, 8.2462,
27.1874

196.3773,
177.6504, 302.3524

 6.6269, 4.2529,
17.4804

239.0124,
218.3497, 361.4663

 3.2741, 1.8160,
10.4120

287.4107,

 1.3003, 0.4971,

264.8338, 427.8229

5.5638

341.9377,
317.4870, 501.8407

■ 0.1835, 0.0000,
2.5173

■ 0.0000, 0.0000,
0.8493

■ 56.8631, 47.4716,
100.7737

■ 56.8631, 47.4716,
100.7737

■ 48.9067, 37.1584,
99.2024

■ 66.1033, 59.8129,
102.6688

■ 42.1653, 28.7535,
97.9354

■ 76.6822, 74.2818,
104.9040

■ 36.5700, 22.1330,
96.9524

■ 88.6566, 90.9775,
107.4955

■ 32.0422, 17.1552,
96.2302

■ 95.0500, 100.0000,
108.9000

■ 28.4914, 13.6558,
95.7419

■ 25.8084, 11.4333,
95.4543

■ 24.6994, 10.6479,
95.3612

Harmonies

Analogous

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



47.8209, 47.4716, 117.8192



56.8631, 47.4716, 100.7737



63.2665, 47.4716, 71.7791

Triad

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



56.8631, 47.4716, 100.7737



51.6773, 47.4716, 17.8687



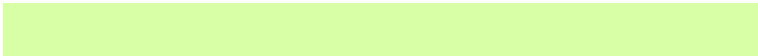
30.0800, 47.4716, 59.6503

Complementary

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



56.8631, 47.4716, 100.7737



70.9626, 88.8724, 49.4923

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.



30.8251, 47.4716, 35.7471



56.8631, 47.4716, 100.7737



42.5234, 47.4716, 16.5370

Square

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



56.8631, 47.4716, 100.7737



60.0064, 47.4716, 26.4261



35.1169, 47.4716, 21.8711



32.9254, 47.4716, 89.4043

Rectangle

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



56.8631, 47.4716, 100.7737



64.7415, 47.4716, 52.7363



35.1169, 47.4716, 21.8711



29.9277, 47.4716, 50.6546

Sweetspot

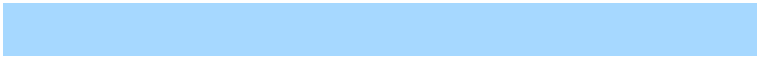
The Sweet Spot groups the original color and five complimentary colors.



56.8646, 47.4735, 100.7739



82.3724, 82.1792, 106.1284



58.4442, 64.6624, 104.0085



17.2744, 17.0931, 22.6388



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.



56.8646, 47.4735, 100.7739



51.0865, 39.9482, 99.6260



70.7777, 54.6460, 101.4251



17.7583, 17.7671, 22.7434



13.0704, 5.6485, 49.8360



1.3954, 0.6133, 4.8581

Inverse Universe

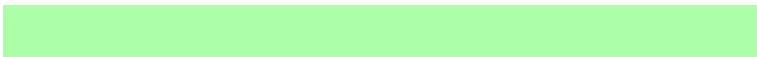
The Inverse Universe completely reimagines the original color for something new.



67.2718, 53.4919, 71.7459



63.2077, 46.9659, 65.4522



59.6428, 83.0369, 48.9626



18.4368, 18.1580, 20.9172



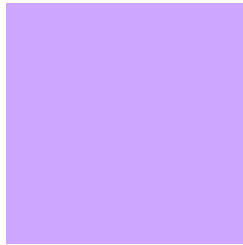
24.2260, 12.1797, 15.1064



2.4137, 1.2079, 1.7602

Previews

White Background



This preview shows how the XYZ color 56.8631, 47.4716, 100.7737 looks on a white background.

Color Contrast Check

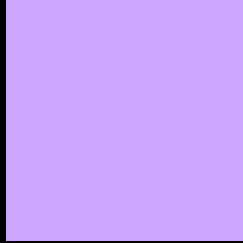
Large Text (above 18pt) WCAG AA × Fail

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 56.8631, 47.4716, 100.7737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

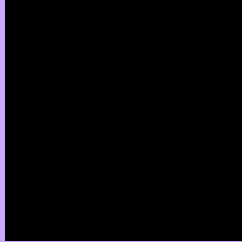
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8631, 47.4716, 100.7737

Background



This preview shows how black text looks on a background with the XYZ color 56.8631, 47.4716, 100.7737.



This preview shows how white text looks on a background with the XYZ color 56.8631, 47.4716,

100.7737.

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

56.8631, 47.4716, 100.7737

Protanopia

49.0711, 47.7413, 101.2364

Deuteranopia

48.9949, 47.7574, 98.7313



Tritanopia

47.9939, 47.5598, 57.1025

Trichromacy



Original Color

56.8631, 47.4716, 100.7737



Protanomaly

51.4798, 47.5008, 101.0630



Deuteranomaly

51.6151, 47.6075, 99.3973

Tritanomaly

50.8194, 47.2357, 71.4047

Monochromacy



Original Color

56.8631, 47.4716, 100.7737



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

50.4531, 48.8653, 69.0601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8631, 47.4716, 100.7737 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(205, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 166, 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(205, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8631, 47.4716, 100.7737 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(205, 166, 255) }
```


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

```
.border{ border-color:rgb(205, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8631, 47.4716, 100.7737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 166, 255) }
```

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

```
.background{ background-color: rgb(205,  
166, 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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