

Converting Colors

XYZ(65.6364, 51.3536,
145.5461)

Have a look what the booklet for
XYZ(65.6364, 51.3536, 145.5461)
contains.

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Color

**XYZ(57.0456, 47.8366,
100.8345)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA7FF
RGB	205, 167, 255
RGB Percent	80%, 65%, 100%
CMY	0.1961, 0.3451, 0.0000
CMYK	0.20, 0.35, 0.00, 0.00
HSL	266°, 100%, 83%
HSV	266°, 35%, 100%
XYZ	57.0456, 47.8366, 100.8345
YIQ	188.3940, -5.6000, 35.4240

Conversions

Conversions Part 2

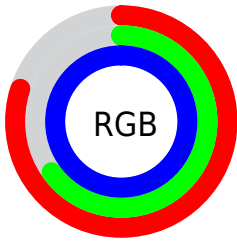
Format	Color
R_{YB}	205, 167, 255
Decimal	13477887
CIE _{Lab}	74.72, 30.72, -38.53
CIE _{LCh}	75, 49.275, 308.564
Yxy	47.8366, 0.2773, 0.2325
Android (android.graphics.Color)	4291667967 (0xFFCDA7FF)
YUV	188.3940, 32.8368, 14.5635
Hunter-Lab	69.1640, 26.1875, -38.0243

Details

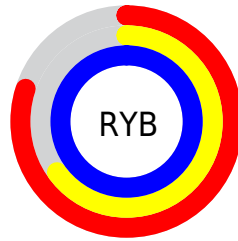
The XYZ color **57.0456, 47.8366, 100.8345** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.3511, 89.0621, 49.9913**, and the grayscale version is **47.8467, 50.3384, 54.8185**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **28.7182, 22.7282, 56.2995** is the 20% darker color. If you saturate the color by 10%, you get **49.0133, 37.4323, 99.2496**, and if you desaturate by 10%, it is **66.3720, 60.2774, 102.7443**.

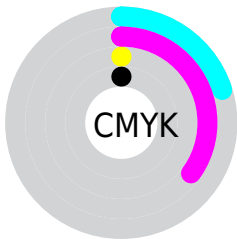
Distribution



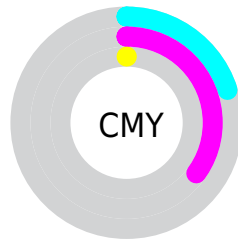
- Red (80%)
- Green (65%)
- Blue (100%)



- 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 57.0456, 47.8366, 100.8345 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 57.0456, 47.8366, 100.8345 by changing the saturation by 10% instead.


 57.0456, 47.8366,
100.8345


 57.0456, 47.8366,
100.8345

403.6316,
378.1441, 584.1344

 41.2821, 33.6975,
76.3769

 99.6627, 86.9611,
164.3654

 28.7282, 22.6613,
56.2331


 127.2470,
112.7152, 204.2757

 19.0186, 14.3436,
39.9846


159.5024,
143.1099, 250.1740

 11.7878, 8.3600,
27.2128

196.7941,
178.5294, 302.4789

 6.6705, 4.3262,
17.4993

239.4875,
219.3582, 361.6088

 3.3014, 1.8577,
10.4254

287.9480,

 1.3151, 0.5227,

265.9806, 427.9823

5.5726

342.5409,
318.7811, 502.0180

■ 0.1945, 0.0000,
2.5225

■ 0.0000, 0.0000,
0.8520

■ 57.0456, 47.8366,
100.8345

■ 57.0456, 47.8366,
100.8345

■ 49.0133, 37.4323,
99.2496

■ 66.3720, 60.2774,
102.7443

■ 42.2062, 28.9449,
97.9701

■ 77.0475, 74.8539,
104.9952

■ 36.5553, 22.2507,
96.9759

■ 89.1293, 91.6655,
107.6033

■ 31.9819, 17.2086,
96.2437

95.0500, 100.0000,
108.9000

■ 28.3958, 13.6552,
95.7468

■ 25.6881, 11.3908,
95.4525

■ 24.4947, 10.5424,
95.3516

Harmonies

Analogous

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



48.0750, 47.8366, 117.4992



57.0456, 47.8366, 100.8345



63.4160, 47.8366, 72.2264

Triad

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



57.0456, 47.8366, 100.8345



52.0425, 47.8366, 18.3888



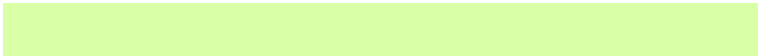
30.5009, 47.8366, 59.7653

Complementary

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



57.0456, 47.8366, 100.8345



71.3511, 89.0621, 49.9913

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.



31.2716, 47.8366, 36.0878



57.0456, 47.8366, 100.8345



42.9555, 47.8366, 16.9986

Square

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



57.0456, 47.8366, 100.8345



60.2743, 47.8366, 27.0316



35.5722, 47.8366, 22.2988



33.3085, 47.8366, 89.1925

Rectangle

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



57.0456, 47.8366, 100.8345



64.9050, 47.8366, 53.3294



35.5722, 47.8366, 22.2988



30.3584, 47.8366, 50.8619

Sweetspot

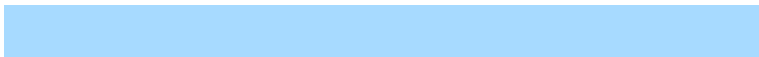
The Sweet Spot groups the original color and five complimentary colors.



57.0471, 47.8385, 100.8348



82.3170, 82.1506, 106.1258



59.1456, 65.7527, 104.1820



17.2610, 17.0862, 22.6382



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.



57.0471, 47.8385, 100.8348



51.6886, 40.8584, 99.7699



70.4629, 54.7546, 101.4626



17.7470, 17.7613, 22.7429



12.9624, 5.5928, 49.8309



1.3844, 0.6076, 4.8576

Inverse Universe

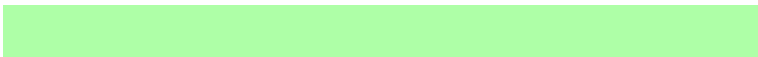
The Inverse Universe completely reimagines the original color for something new.



67.5840, 53.9088, 72.4899



63.8328, 47.8624, 66.7507



60.2662, 83.3476, 49.4725



18.4418, 18.1600, 20.9437



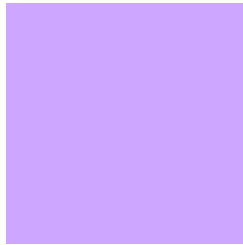
24.2910, 12.2057, 15.4489



2.4200, 1.2104, 1.7929

Previews

White Background



This preview shows how the XYZ color 57.0456, 47.8366, 100.8345 looks on a white background.

Color Contrast Check

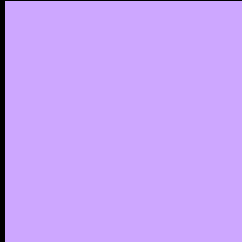
Large Text (above 18pt) WCAG AA × Fail

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 57.0456, 47.8366, 100.8345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

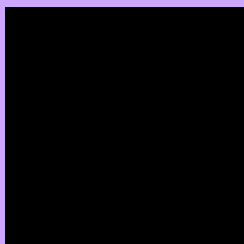
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.0456, 47.8366, 100.8345

Background



This preview shows how black text looks on a background with the XYZ color 57.0456, 47.8366, 100.8345.



This preview shows how white text looks on a background with the XYZ color 57.0456, 47.8366,

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

57.0456, 47.8366, 100.8345

Protanopia

49.4759, 48.2530, 101.3138

Deuteranopia

49.4029, 48.2707, 98.8088



Tritanopia

48.1058, 47.6046, 57.6921

Trichromacy



Original Color

57.0456, 47.8366, 100.8345



Protanomaly

51.9036, 48.0114, 101.1393



Deuteranomaly

51.8119, 48.0011, 99.4629

Tritanomaly

51.0133, 47.6236, 71.4693

Monochromacy



Original Color

57.0456, 47.8366, 100.8345



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 57.0456, 47.8366, 100.8345 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.0456, 47.8366, 100.8345 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, 167, 255) }
```


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

```
.border{ border-color:rgb(205, 167, 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, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0456, 47.8366, 100.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 167, 255) }
```

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

```
.background{ background-color: rgb(205,  
167, 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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