

Converting Colors

XYZ(47.2075, 35.1127, 98.8971)

Have a look what the booklet for
XYZ(47.2075, 35.1127, 98.8971)
contains.

XYZ(47.2075, 35.1127, 98.8971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.2075, 35.1127,
98.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	BB87FF
RGB	187, 135, 255
RGB Percent	73%, 53%, 100%
CMY	0.2667, 0.4706, 0.0000
CMYK	0.27, 0.47, 0.00, 0.00
HSL	266°, 100%, 76%
HSV	266°, 47%, 100%
XYZ	47.2075, 35.1127, 98.8971
YIQ	164.2280, -7.5280, 48.3440

Conversions

Conversions Part 2

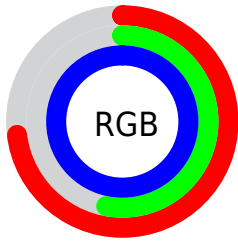
Format	Color
RYB	187, 135, 255
Decimal	12290047
CIELab	65.84, 43.23, -52.59
CIELCh	66, 68.076, 309.417
Yxy	35.1127, 0.2605, 0.1938
Android (android.graphics.Color)	4290480127 (0xFFBB87FF)
YUV	164.2280, 44.7506, 19.9710
Hunter-Lab	59.2560, 38.5078, -57.4747

Details

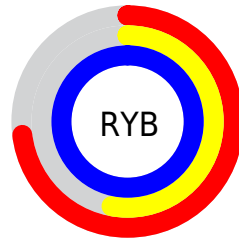
The XYZ color **47.2075, 35.1127, 98.8971** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.7619, 85.9658, 36.1025**, and the grayscale version is **35.1924, 37.0251, 40.3204**.

A 20% lighter version of the original color is **73.9038, 63.0277, 102.8781**, and **22.7234, 15.2432, 55.1706** is the 20% darker color. If you saturate the color by 10%, you get **40.7075, 27.0984, 97.6927**, and if you desaturate by 10%, it is **54.9175, 45.0168, 100.4024**.

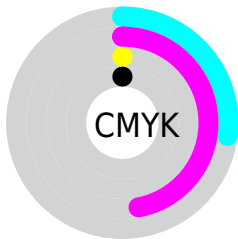
Distribution



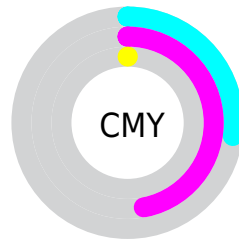
- Red (73%)
- Green (53%)
- Blue (100%)



- Red (73%)
- Yellow (53%)
- Blue (100%)



- Cyan (27%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2075, 35.1127, 98.8971 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 47.2075, 35.1127, 98.8971 by changing the saturation by 10% instead.

47.2075, 35.1127,
98.8971

47.2075, 35.1127,
98.8971

366.2773,
325.0655, 577.8673

33.4084, 23.7497,
74.7680

85.2401, 67.6603,
161.6794

22.6002, 15.1481,
54.9223

110.2043, 89.6137,
201.1696

14.4176, 8.9234,
38.9413

139.6209,
115.8661, 246.6174

8.4953, 4.6912,
26.4066

173.8553,
146.8017, 298.4412

4.4680, 2.0673,
16.8996

213.2727,
182.8051, 357.0595

1.9701, 0.6461,
10.0017

258.2386,

0.6171, 0.0000,

224.2606, 422.8909

5.2945

309.1184,
271.5526, 496.3540

■ 0.0000, 0.0000,
2.3593

■ 0.0000, 0.0000,
0.7642

■ 47.2075, 35.1127,
98.8971

■ 47.2075, 35.1127,
98.8971

■ 40.7075, 27.0984,
97.6927

■ 54.9175, 45.0168,
100.4024

■ 35.3416, 20.8408,
96.7677

■ 63.8997, 56.9232,
102.2271

■ 31.0299, 16.1953,
96.0983

■ 74.2157, 70.9402,
104.3890

■ 27.6783, 12.9911,
95.6565

■ 85.9222, 87.1670,
106.9041

■ 25.1695, 11.0111,
95.4065

95.0500, 100.0000,
108.9000

■ 24.5432, 10.5674,
95.3539

Harmonies

Analogous

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



36.6361, 35.1127, 122.9310



47.2075, 35.1127, 98.8971



54.9275, 35.1127, 61.1727

Triad

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



47.2075, 35.1127, 98.8971



40.6378, 35.1127, 6.3027



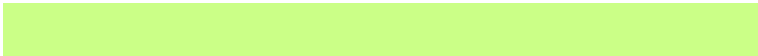
17.7105, 35.1127, 48.0200

Complementary

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



47.2075, 35.1127, 98.8971



64.7619, 85.9658, 36.1025

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.



18.3559, 35.1127, 21.8905



47.2075, 35.1127, 98.8971



30.3107, 35.1127, 5.5015

Square

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



47.2075, 35.1127, 98.8971



50.6371, 35.1127, 12.7595



22.5466, 35.1127, 9.4358



20.5612, 35.1127, 85.2333

Rectangle

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



47.2075, 35.1127, 98.8971



56.6635, 35.1127, 38.7973



22.5466, 35.1127, 9.4358



17.5410, 35.1127, 37.6718

Sweetspot

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



47.2087, 35.1140, 98.8972



77.6451, 75.6628, 105.1198



49.3984, 55.0836, 102.6364



16.0984, 15.4770, 22.3888



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.



47.2087, 35.1140, 98.8972



41.3401, 27.8606, 97.8065



65.0722, 44.3230, 99.7332



17.7497, 17.7627, 22.7430



12.9880, 5.6060, 49.8321



1.3870, 0.6090, 4.8577

Inverse Universe

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



60.6838, 42.9006, 61.5819



56.6951, 36.7481, 54.6261



51.4616, 79.1092, 35.4801



18.4406, 18.1596, 20.9374



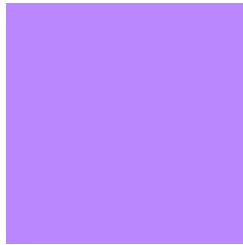
24.2754, 12.1995, 15.3668



2.4185, 1.2098, 1.7851

Previews

White Background



This preview shows how the XYZ color 47.2075, 35.1127, 98.8971 looks on a white background.

Color Contrast Check

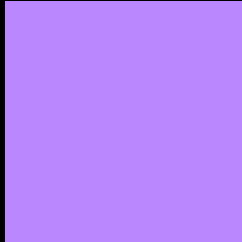
Large Text (above 18pt) WCAG AA × Fail

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 47.2075, 35.1127, 98.8971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

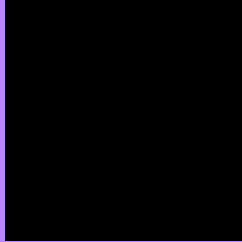
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2075, 35.1127, 98.8971

Background



This preview shows how black text looks on a background with the XYZ color 47.2075, 35.1127, 98.8971.



This preview shows how white text looks on a background with the XYZ color 47.2075, 35.1127,

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

47.2075, 35.1127, 98.8971

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.5082, 35.4885, 95.3683



Tritanopia

35.5838, 34.9278, 41.9121

Trichromacy



Original Color

47.2075, 35.1127, 98.8971

Protanomaly

40.6515, 34.8259, 99.1872

Deuteranomaly

39.2848, 34.6505, 96.7131

Tritanomaly

39.1467, 34.6971, 59.2775

Monochromacy



Original Color

47.2075, 35.1127, 98.8971

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.4825, 35.5843, 57.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2075, 35.1127, 98.8971 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(187, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 135, 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(187, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 135, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.2075, 35.1127, 98.8971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

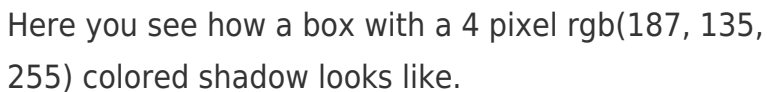
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 135, 255) }
```


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

```
.border{ border-color:rgb(187, 135, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 135, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 135, 255); box-shadow:4px 4px 4px 4px rgb(187, 135, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2075, 35.1127, 98.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 135, 255) }
```

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

```
.background{ background-color: rgb(187,  
135, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor