

Converting Colors

XYZ(56.9201, 48.8346,
101.0337)

Have a look what the booklet for
XYZ(56.9201, 48.8346, 101.0337)
contains.

XYZ(56.9700, 48.9024, 101.0442)	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(56.9700, 48.9024,
101.0442)**

Conversions

Conversions Part 1

Format	Color
Hex	CAABFF
RGB	202, 171, 255
RGB Percent	79%, 67%, 100%
CMY	0.2078, 0.3294, 0.0000
CMYK	0.21, 0.33, 0.00, 0.00
HSL	262°, 100%, 84%
HSV	262°, 33%, 100%
XYZ	56.9700, 48.9024, 101.0442
YIQ	189.8450, -8.4880, 32.6960

Conversions

Conversions Part 2

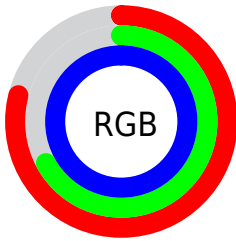
Format	Color
RYB	202, 171, 255
Decimal	13282303
CIELab	75.39, 27.65, -37.51
CIELCh	75, 46.599, 306.393
Yxy	48.9024, 0.2753, 0.2363
Android (android.graphics.Color)	4291472383 (0xFFCAABFF)
YUV	189.8450, 32.1214, 10.6599
Hunter-Lab	69.9303, 23.0405, -36.7186

Details

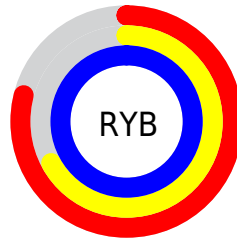
The XYZ color **56.9700, 48.9024, 101.0442** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.8520, 90.3080, 52.0689**, and the grayscale version is **48.6804, 51.2155, 55.7737**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **28.7041, 23.2371, 56.3984** is the 20% darker color. If you saturate the color by 10%, you get **48.4812, 38.0535, 99.3976**, and if you desaturate by 10%, it is **66.8448, 61.8473, 103.0224**.

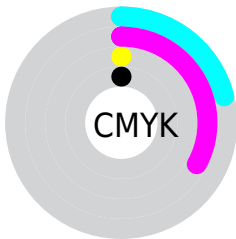
Distribution



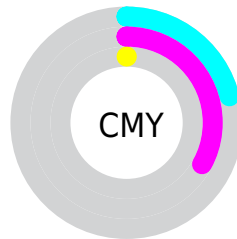
- Red (79%)
- Green (67%)
- Blue (100%)



- Red (79%)
- Yellow (67%)
- Blue (100%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9700, 48.9024, 101.0442 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 56.9700, 48.9024, 101.0442 by changing the saturation by 10% instead.

■ 56.9700, 48.9024,
101.0442

■ 56.9700, 48.9024,
101.0442

403.3529,
382.3580, 584.8106

■ 41.2212, 34.5421,
76.5511

■ 99.5530, 88.5465,
164.6558

■ 28.6804, 23.3103,
56.3752

127.1180,
114.5990, 204.6114

■ 18.9822, 14.8228,
40.0978

159.3523,
145.3177, 250.5583

■ 11.7614, 8.6951,
27.3004

196.6215,
181.0870, 302.9150

■ 6.6524, 4.5429,
17.5646

239.2907,
222.2913, 362.1000

■ 3.2901, 1.9816,
10.4716

287.7255,

■ 1.3090, 0.5968,

269.3150, 428.5319

5.6031

342.2911,
322.5424, 502.6292

■ 0.1899, 0.0000,
2.5404

■ 0.0000, 0.0000,
0.8615

■ 56.9700, 48.9024,
101.0442

■ 56.9700, 48.9024,
101.0442

■ 48.4812, 38.0535,
99.3976

■ 66.8448, 61.8473,
103.0224

■ 41.3065, 29.1804,
98.0630

■ 78.1636, 76.9879,
105.3482

■ 35.3737, 22.1594,
97.0205

■ 90.9865, 94.4243,
108.0380

■ 30.6010, 16.8498,
96.2472

■ 95.0500, 100.0000,
108.9000

■ 26.8956, 13.0899,
95.7168

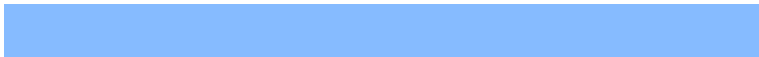
■ 24.1471, 10.6843,
95.3973

■ 22.6771, 9.6053,
95.2665

Harmonies

Analogous

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



48.3412, 48.9024, 115.3420



56.9700, 48.9024, 101.0442



63.2923, 48.9024, 74.4933

Triad

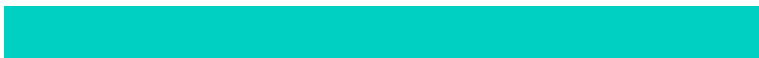
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.9700, 48.9024, 101.0442



53.4037, 48.9024, 20.6300



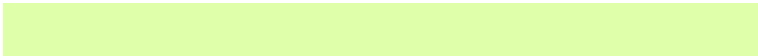
31.9394, 48.9024, 58.6815

Complementary

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



56.9700, 48.9024, 101.0442



73.8520, 90.3080, 52.0689

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.



32.9449, 48.9024, 36.4804



56.9700, 48.9024, 101.0442



44.6677, 48.9024, 18.7455

Square

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



56.9700, 48.9024, 101.0442



61.0627, 48.9024, 29.8482



37.3643, 48.9024, 23.5537



34.4266, 48.9024, 86.4807

Rectangle

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



56.9700, 48.9024, 101.0442



64.9626, 48.9024, 56.2741



37.3643, 48.9024, 23.5537



31.8850, 48.9024, 50.3293

Sweetspot

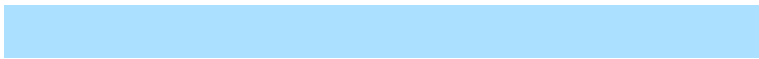
The Sweet Spot groups the original color and five complimentary colors.



56.9715, 48.9043, 101.0445



81.7743, 81.8709, 106.1004



61.5553, 69.2981, 104.7393



17.1301, 17.0187, 22.6320



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.



56.9715, 48.9043, 101.0445



50.8374, 41.0326, 99.8484



69.8528, 55.5448, 101.6473



17.6361, 17.7041, 22.7377



11.9994, 5.0964, 49.7858



1.2838, 0.5558, 4.8529

Inverse Universe

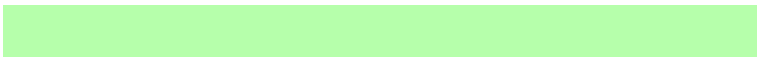
The Inverse Universe completely reimagines the original color for something new.



69.2585, 55.7693, 77.6364



65.2021, 49.0708, 71.9246



62.4506, 84.4303, 51.5354



18.4916, 18.1800, 21.2060



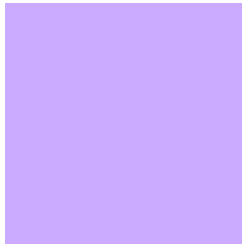
24.9798, 12.4812, 19.0757



2.4849, 1.2364, 2.1351

Previews

White Background



This preview shows how the XYZ color 56.9700, 48.9024, 101.0442 looks on a white background.

Color Contrast Check

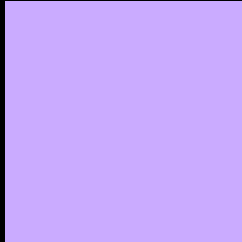
Large Text (above 18pt) WCAG AA × Fail

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 56.9700, 48.9024, 101.0442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

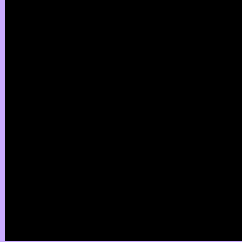
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9700, 48.9024, 101.0442

Background



This preview shows how black text looks on a background with the XYZ color 56.9700, 48.9024, 101.0442.



This preview shows how white text looks on a background with the XYZ color 56.9700, 48.9024,

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

56.9700, 48.9024, 101.0442

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.3890, 49.0658, 99.7434



Tritanopia

48.7498, 49.1047, 59.7321

Trichromacy



Original Color

56.9700, 48.9024, 101.0442

Protanomaly

52.5302, 48.9252, 101.2826

Deuteranomaly

52.5999, 48.9797, 100.4476

Tritanomaly

51.5399, 49.0379, 73.0785

Monochromacy



Original Color

56.9700, 48.9024, 101.0442

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.3192, 50.1913, 70.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9700, 48.9024, 101.0442 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(202, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 171, 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(202, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9700, 48.9024, 101.0442 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(202, 171, 255) }
```


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

```
.border{ border-color:rgb(202, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 171, 255); box-shadow:4px 4px 4px 4px rgb(202, 171, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9700, 48.9024, 101.0442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 171, 255) }
```

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

```
.background{ background-color: rgb(202,  
171, 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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