

Converting Colors

XYZ(59.9134, 48.3506,
100.0190)

Have a look what the booklet for
XYZ(59.9134, 48.3506, 100.0190)
contains.

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Color

**XYZ(59.9000, 48.2556,
99.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	DAA3FE
RGB	218, 163, 254
RGB Percent	85%, 64%, 100%
CMY	0.1451, 0.3608, 0.0039
CMYK	0.14, 0.36, 0.00, 0.00
HSL	276°, 98%, 82%
HSV	276°, 36%, 100%
XYZ	59.9000, 48.2556, 99.9231
YIQ	189.8190, 3.5690, 39.9610

Conversions

Conversions Part 2

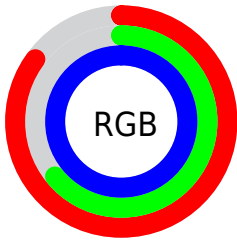
Format	Color
R _Y B	218, 163, 254
Decimal	14328830
CIE Lab	74.99, 36.50, -37.48
CIE LCh	75, 52.319, 314.237
Yxy	48.2556, 0.2879, 0.2319
Android (android.graphics.Color)	4292518910 (0xFFDAA3FE)
YUV	189.8190, 31.6412, 24.7147
Hunter-Lab	69.4663, 32.3527, -36.6588

Details

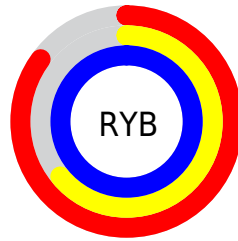
The XYZ color **59.9000, 48.2556, 99.9231** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.6074, 85.6713, 47.7308**, and the grayscale version is **48.6633, 51.1976, 55.7542**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **30.5543, 22.8645, 55.6262** is the 20% darker color. If you saturate the color by 10%, you get **52.9208, 38.6227, 98.4324**, and if you desaturate by 10%, it is **67.9703, 59.7977, 101.7264**.

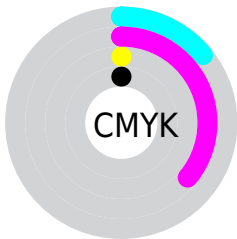
Distribution



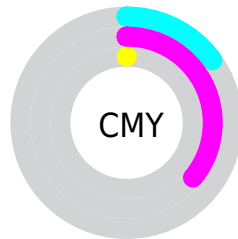
- Red (85%)
- Green (64%)
- Blue (100%)



- Red (85%)
- Yellow (64%)
- Blue (100%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9000, 48.2556, 99.9231 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 59.9000, 48.2556, 99.9231 by changing the saturation by 10% instead.


 59.9000, 48.2556,
99.9231


 59.9000, 48.2556,
99.9231


414.0697,
379.8044, 581.1907

 43.5872, 34.0293,
75.6198

 103.7918, 87.5848,
163.1025

 30.5426, 22.9161,
55.6160

 132.1014,
113.4566, 202.8156

 20.4009, 14.5316,
39.4932


165.1407,
143.9790, 248.5024

 12.7968, 8.4913,
26.8329

203.2751,
179.5365, 300.5814

 7.3648, 4.4109,
17.2164

246.8698,
220.5133, 359.4712

 3.7396, 1.9060,
10.2253

296.2902,

 1.5559, 0.5520,

267.2940, 425.5904

5.4410

351.9018,
320.2629, 499.3573

■ 0.3634, 0.0000,
2.4451

■ 0.0000, 0.0000,
0.8108

■ 59.9000, 48.2556,
99.9231

■ 59.9000, 48.2556,
99.9231

■ 52.9208, 38.6227,
98.4324

■ 67.9703, 59.7977,
101.7264

■ 46.9700, 30.7822,
97.2327

■ 77.1799, 73.3445,
103.8558

■ 41.9857, 24.6138,
96.3047

■ 87.5798, 88.9923,
106.3280

■ 37.8961, 19.9790,
95.6257

94.8895, 99.9358,
108.0550

■ 34.6179, 16.7163,
95.1687

■ 32.0486, 14.6261,
94.9006

■ 31.1241, 13.9785,
94.8244

Harmonies

Analogous

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



50.5297, 48.2556, 121.7451



59.9000, 48.2556, 99.9231



65.8964, 48.2556, 68.1560

Triad

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



59.9000, 48.2556, 99.9231



51.0349, 48.2556, 16.4503



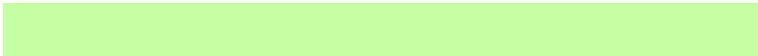
30.2748, 48.2556, 66.5606

Complementary

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



59.9000, 48.2556, 99.9231



65.6074, 85.6713, 47.7308

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.



30.3708, 48.2556, 39.5160



59.9000, 48.2556, 99.9231



41.4976, 48.2556, 16.2839

Square

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



59.9000, 48.2556, 99.9231



60.3138, 48.2556, 23.7387



34.2146, 48.2556, 23.1608



33.9311, 48.2556, 98.4116

Rectangle

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



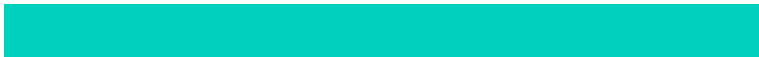
59.9000, 48.2556, 99.9231



66.7148, 48.2556, 48.7528



34.2146, 48.2556, 23.1608



29.8871, 48.2556, 56.5229

Sweetspot

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



59.9016, 48.2576, 99.9242



82.7801, 81.3466, 105.9462



53.5110, 55.9754, 101.7507



17.4168, 16.9587, 22.6053



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.



59.9016, 48.2576, 99.9242



55.2714, 41.5188, 99.7086



70.4377, 53.8536, 92.9895



18.0565, 17.9208, 22.7573



16.5796, 7.4576, 50.0002



1.7373, 0.7895, 4.8741

Inverse Universe

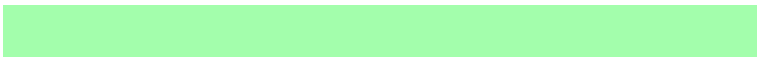
The Inverse Universe completely reimagines the original color for something new.



64.2806, 51.3907, 60.5663



60.5748, 45.2803, 53.5369



58.0037, 81.6538, 51.7859



18.3070, 18.1061, 20.2338



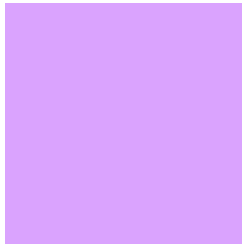
22.8415, 11.6259, 7.8158



2.2760, 1.1528, 1.0347

Previews

White Background



This preview shows how the XYZ color 59.9000, 48.2556, 99.9231 looks on a white background.

Color Contrast Check

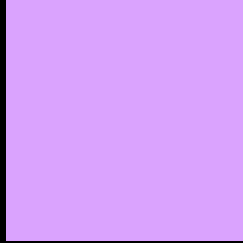
Large Text (above 18pt) WCAG AA × Fail

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 59.9000, 48.2556, 99.9231 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 59.9000, 48.2556, 99.9231

Background



This preview shows how black text looks on a background with the XYZ color 59.9000, 48.2556, 99.9231.



This preview shows how white text looks on a background with the XYZ color 59.9000, 48.2556,

99.9231.

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

59.9000, 48.2556, 99.9231

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.7092, 48.4650, 97.1772



Tritanopia

50.8320, 48.1783, 55.3354

Trichromacy



Original Color

59.9000, 48.2556, 99.9231



Protanomaly

52.6714, 47.8250, 101.0628



Deuteranomaly

52.7501, 47.9393, 97.7398

Tritanomaly

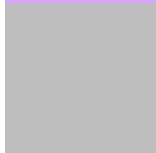
53.7245, 47.9270, 69.3700

Monochromacy



Original Color

59.9000, 48.2556, 99.9231



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

52.1509, 49.7260, 69.8002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9000, 48.2556, 99.9231 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(218, 163, 254)` looks like.

```
.text, #text, p{  
    color:rgb(218, 163, 254)  
}
```

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(218, 163, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 163, 254) }
```

Border

The CSS property to change the border of an element to XYZ 59.9000, 48.2556, 99.9231 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(218, 163, 254) }
```


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

```
.border{ border-color:rgb(218, 163, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 163, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 163, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 163, 254);  
box-shadow:4px 4px 4px 4px rgb(218, 163,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9000, 48.2556, 99.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 163, 254) }
```

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

```
.background{ background-color: rgb(218,  
163, 254) }
```

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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