

Converting Colors

XYZ(59.3952, 47.9226,
100.7273)

Have a look what the booklet for
XYZ(59.3952, 47.9226, 100.7273)
contains.

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Color

**XYZ(59.4661, 48.0133,
100.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A3FF
RGB	216, 163, 255
RGB Percent	85%, 64%, 100%
CMY	0.1529, 0.3608, 0.0000
CMYK	0.15, 0.36, 0.00, 0.00
HSL	275°, 100%, 82%
HSV	275°, 36%, 100%
XYZ	59.4661, 48.0133, 100.7410
YIQ	189.3350, 2.0560, 39.8480

Conversions

Conversions Part 2

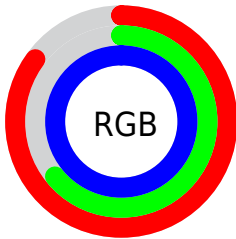
Format	Color
R _Y B	216, 163, 255
Decimal	14197759
CIE Lab	74.83, 36.12, -38.28
CIE LCh	75, 52.627, 313.339
Yxy	48.0133, 0.2856, 0.2306
Android (android.graphics.Color)	4292387839 (0xFFD8A3FF)
YUV	189.3350, 32.3728, 23.3852
Hunter-Lab	69.2916, 31.9284, -37.6958

Details

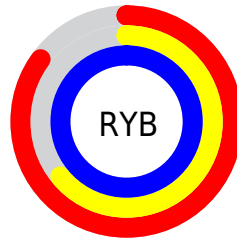
The XYZ color **59.4661, 48.0133, 100.7410** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.7288, 86.7213, 47.8743**, and the grayscale version is **48.3825, 50.9021, 55.4324**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **30.2662, 22.7027, 56.2129** is the 20% darker color. If you saturate the color by 10%, you get **52.2976, 38.2616, 99.2366**, and if you desaturate by 10%, it is **67.7605, 59.7026, 102.5601**.

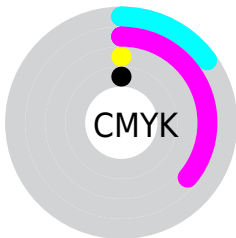
Distribution



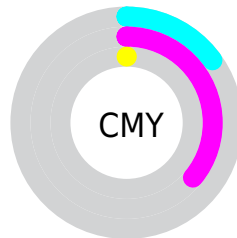
- Red (85%)
- Green (64%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4661, 48.0133, 100.7410 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 59.4661, 48.0133, 100.7410 by changing the saturation by 10% instead.


 59.4661, 48.0133,
100.7410


 59.4661, 48.0133,
100.7410


412.4934,
378.8448, 583.8327

 43.2363, 33.8374,
76.2992

 103.1655, 87.2242,
164.2359

 30.2659, 22.7687,
56.1698


 131.3659,
113.0280, 204.1260

 20.1895, 14.4228,
39.9341


164.2870,
143.4766, 250.0027

 12.6420, 8.4153,
27.1738

202.2944,
178.9543, 302.2844

 7.2578, 4.3618,
17.4702

245.7534,
219.8457, 361.3897

 3.6716, 1.8780,
10.4048

295.0293,

 1.5181, 0.5351,

266.5349, 427.7372

5.5591

350.4875,
319.4065, 501.7454

■ 0.3381, 0.0000,
2.5145

■ 0.0000, 0.0000,
0.8478

■ 59.4661, 48.0133,
100.7410

■ 59.4661, 48.0133,
100.7410

■ 52.2976, 38.2616,
99.2366

■ 67.7605, 59.7026,
102.5601

■ 46.1913, 30.3294,
98.0274

■ 77.2307, 73.4270,
104.7101

■ 41.0834, 24.0942,
97.0930

■ 87.9289, 89.2841,
107.2069

■ 36.9004, 19.4153,
96.4104

95.0500, 100.0000,
108.9000

■ 33.5570, 16.1286,
95.9522

■ 30.9480, 14.0304,
95.6847

■ 30.0654, 13.4142,
95.6123

Harmonies

Analogous

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



50.0140, 48.0133, 122.1550



59.4661, 48.0133, 100.7410



65.6328, 48.0133, 68.8910

Triad

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



59.4661, 48.0133, 100.7410



51.1172, 48.0133, 16.2980



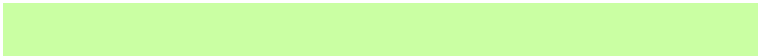
29.9691, 48.0133, 65.4050

Complementary

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



59.4661, 48.0133, 100.7410



66.7288, 86.7213, 47.8743

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.



30.1781, 48.0133, 38.5772



59.4661, 48.0133, 100.7410



41.5197, 48.0133, 15.9372

Square

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



59.4661, 48.0133, 100.7410



60.3704, 48.0133, 23.8081



34.1346, 48.0133, 22.5523



33.5169, 48.0133, 97.4330

Rectangle

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



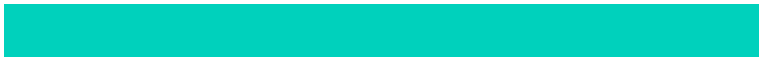
59.4661, 48.0133, 100.7410



66.5819, 48.0133, 49.2681



34.1346, 48.0133, 22.5523



29.6189, 48.0133, 55.4087

Sweetspot

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



59.4676, 48.0152, 100.7413



82.5053, 81.2050, 105.9334



54.4802, 57.6571, 102.8653



17.3513, 16.9249, 22.6023



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.



59.4676, 48.0152, 100.7413



54.3875, 41.0631, 99.6672



71.4161, 54.2872, 96.2282



18.0052, 17.8944, 22.7549



15.8841, 7.0990, 49.9676



1.6715, 0.7556, 4.8710

Inverse Universe

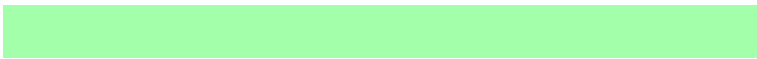
The Inverse Universe completely reimagines the original color for something new.



64.9988, 51.7203, 62.4354



60.9147, 45.4162, 55.3268



58.0395, 82.1767, 50.4064



18.3289, 18.1149, 20.3491



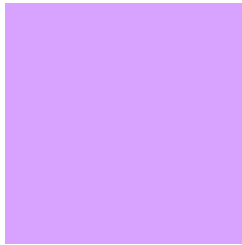
23.0367, 11.7040, 8.8437



2.2962, 1.1609, 1.1414

Previews

White Background



This preview shows how the XYZ color 59.4661, 48.0133, 100.7410 looks on a white background.

Color Contrast Check

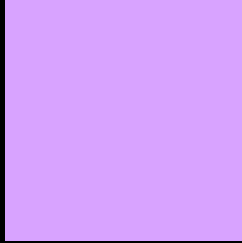
Large Text (above 18pt) WCAG AA × Fail

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 59.4661, 48.0133, 100.7410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

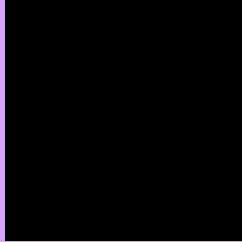
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4661, 48.0133, 100.7410

Background



This preview shows how black text looks on a background with the XYZ color 59.4661, 48.0133, 100.7410.



This preview shows how white text looks on a background with the XYZ color 59.4661, 48.0133,

100.7410.

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

59.4661, 48.0133, 100.7410

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.4504, 48.3134, 97.9859



Tritanopia

50.2732, 47.8902, 55.3092

Trichromacy



Original Color

59.4661, 48.0133, 100.7410



Protanomaly

52.6714, 47.8250, 101.0628



Deuteranomaly

52.4291, 47.7555, 98.5499

Tritanomaly

53.2789, 47.6825, 70.0139

Monochromacy



Original Color

59.4661, 48.0133, 100.7410



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

51.8847, 49.5887, 69.7878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4661, 48.0133, 100.7410 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(216, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 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(216, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.4661, 48.0133, 100.7410 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(216, 163, 255) }
```


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

```
.border{ border-color:rgb(216, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4661, 48.0133, 100.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 255) }
```

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

```
.background{ background-color: rgb(216,  
163, 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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