

Converting Colors

XYZ(59.9185, 46.7790,
100.4789)

Have a look what the booklet for
XYZ(59.9185, 46.7790, 100.4789)
contains.

XYZ(59.9258, 46.7061, 100.4645)	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(59.9258, 46.7061,
100.4645)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9DFF
RGB	221, 157, 255
RGB Percent	87%, 62%, 100%
CMY	0.1333, 0.3843, 0.0000
CMYK	0.13, 0.38, 0.00, 0.00
HSL	279°, 100%, 81%
HSV	279°, 38%, 100%
XYZ	59.9258, 46.7061, 100.4645
YIQ	187.3080, 6.6860, 44.0460

Conversions

Conversions Part 2

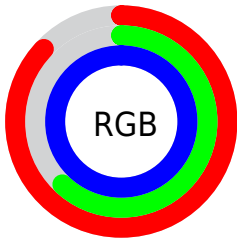
Format	Color
RYB	221, 157, 255
Decimal	14523903
CIELab	74.00, 40.80, -39.53
CIELCh	74, 56.813, 315.907
Yxy	46.7061, 0.2894, 0.2255
Android (android.graphics.Color)	4292713983 (0xFFDD9DFF)
YUV	187.3080, 33.3722, 29.5479
Hunter-Lab	68.3419, 36.9201, -39.3187

Details

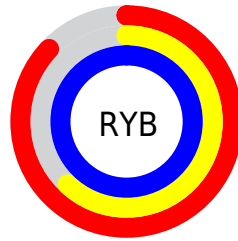
The XYZ color **59.9258, 46.7061, 100.4645** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.3325, 85.0311, 44.9750**, and the grayscale version is **47.2241, 49.6834, 54.1053**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **30.4532, 21.8704, 56.0424** is the 20% darker color. If you saturate the color by 10%, you get **53.4305, 37.6087, 99.0508**, and if you desaturate by 10%, it is **67.4662, 57.6810, 102.1854**.

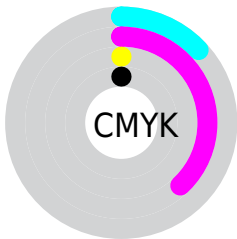
Distribution



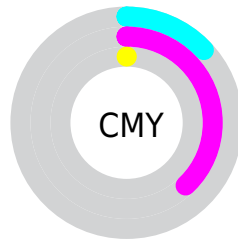
- Red (87%)
- Green (62%)
- Blue (100%)



- Red (87%)
- Yellow (62%)
- Blue (100%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9258, 46.7061, 100.4645 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 59.9258, 46.7061, 100.4645 by changing the saturation by 10% instead.


 59.9258, 46.7061,
100.4645


 59.9258, 46.7061,
100.4645


414.1633,
373.6402, 582.9403

 43.6081, 32.8034,
76.0695

 103.8290, 85.2748,
163.8528

 30.5591, 21.9759,
55.9825


 132.1451,
110.7095, 203.6832

 20.4135, 13.8392,
39.7850

165.1915,
140.7570, 249.4957

 12.8060, 8.0089,
27.0584

203.3333,
175.8017, 301.7090

 7.3712, 4.1006,
17.3843

246.9361,
216.2280, 360.7416

 3.7437, 1.7300,
10.3440

296.3651,

 1.5582, 0.4430,

262.4202, 427.0119

5.5191

351.9858,
314.7628, 500.9387

■ 0.3649, 0.0000,
2.4909

■ 0.0000, 0.0000,
0.8353

■ 59.9258, 46.7061,
100.4645

■ 59.9258, 46.7061,
100.4645

■ 53.4305, 37.6087,
99.0508

■ 67.4662, 57.6810,
102.1854

■ 47.9174, 30.2689,
97.9247

■ 76.1010, 70.6318,
104.2301

■ 43.3227, 24.5621,
97.0653

■ 85.8813, 85.6568,
106.6147

■ 39.5728, 20.3438,
96.4488

95.0500, 100.0000,
108.9000

■ 36.5807, 17.4437,
96.0467

■ 34.2254, 15.6232,
95.8194

■ 33.8879, 15.3847,
95.7912

Harmonies

Analogous

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



49.9559, 46.7061, 125.7083



59.9258, 46.7061, 100.4645



66.1239, 46.7061, 65.7044

Triad

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



59.9258, 46.7061, 100.4645



49.3131, 46.7061, 13.6396



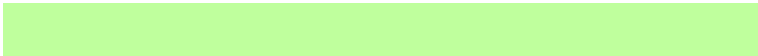
28.1535, 46.7061, 67.7523

Complementary

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



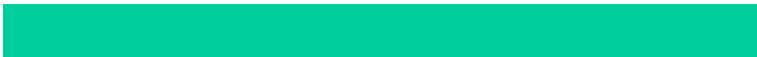
59.9258, 46.7061, 100.4645



63.3325, 85.0311, 44.9750

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.



28.0356, 46.7061, 38.4306



59.9258, 46.7061, 100.4645



39.2588, 46.7061, 13.8309

Square

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



59.9258, 46.7061, 100.4645



59.3939, 46.7061, 20.3617



31.8065, 46.7061, 21.0488



32.1575, 46.7061, 102.4468

Rectangle

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



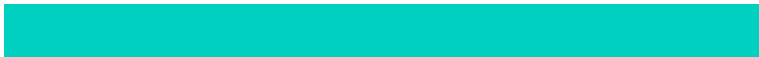
59.9258, 46.7061, 100.4645



66.7564, 46.7061, 45.3201



31.8065, 46.7061, 21.0488



27.6813, 46.7061, 56.8232

Sweetspot

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



59.9273, 46.7080, 100.4648



82.2549, 80.0484, 105.7233



50.6524, 51.7824, 101.9331



17.3300, 16.7090, 22.5617



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.



59.9273, 46.7080, 100.4648



54.9162, 39.6531, 99.3672



69.0706, 51.6846, 89.0082



18.1451, 17.9665, 22.7615



17.8743, 8.1250, 50.0608



1.8582, 0.8519, 4.8798

Inverse Universe

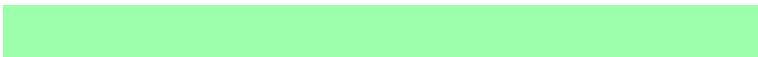
The Inverse Universe completely reimagines the original color for something new.



62.7019, 49.1371, 55.4710



58.3611, 42.5812, 47.4707



57.0835, 81.6557, 51.6333



18.2695, 18.0911, 20.0364



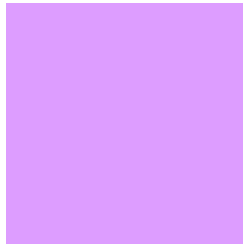
22.5425, 11.5063, 6.2414



2.2441, 1.1400, 0.8667

Previews

White Background



This preview shows how the XYZ color 59.9258, 46.7061, 100.4645 looks on a white background.

Color Contrast Check

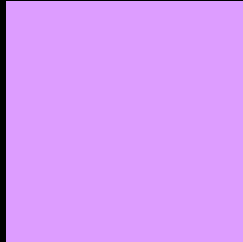
Large Text (above 18pt) WCAG AA × Fail

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 59.9258, 46.7061, 100.4645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

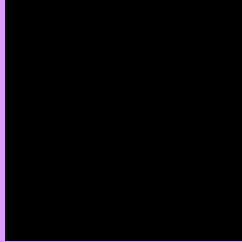
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9258, 46.7061, 100.4645

Background



This preview shows how black text looks on a background with the XYZ color 59.9258, 46.7061, 100.4645.



This preview shows how white text looks on a background with the XYZ color 59.9258, 46.7061,

100.4645.

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

59.9258, 46.7061, 100.4645

Protanopia

48.4718, 47.1316, 101.1503

Deuteranopia

48.2310, 47.0811, 97.8123



Tritanopia

50.0878, 46.7095, 52.2749

Trichromacy



Original Color

59.9258, 46.7061, 100.4645



Protanomaly

51.8586, 46.5488, 100.8593



Deuteranomaly

51.6146, 46.4784, 98.3463

Tritanomaly

53.1831, 46.5867, 67.1618

Monochromacy



Original Color

59.9258, 46.7061, 100.4645



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

50.9622, 47.9462, 68.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9258, 46.7061, 100.4645 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(221, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 157, 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(221, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9258, 46.7061, 100.4645 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(221, 157, 255) }
```


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

```
.border{ border-color:rgb(221, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 157, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 157, 255); box-shadow:4px 4px 4px 4px rgb(221, 157, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9258, 46.7061, 100.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 157, 255) }
```

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

```
.background{ background-color: rgb(221,  
157, 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