

Converting Colors

XYZ(56.6110, 41.6129, 99.6561)

Have a look what the booklet for
XYZ(56.6110, 41.6129, 99.6561)
contains.

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Color

**XYZ(56.7859, 41.7703,
99.6773)**

Conversions

Conversions Part 1

Format	Color
Hex	DA8FFF
RGB	218, 143, 255
RGB Percent	85%, 56%, 100%
CMY	0.1451, 0.4392, 0.0000
CMYK	0.15, 0.44, 0.00, 0.00
HSL	280°, 100%, 78%
HSV	280°, 44%, 100%
XYZ	56.7859, 41.7703, 99.6773
YIQ	178.1930, 8.7480, 50.7320

Conversions

Conversions Part 2

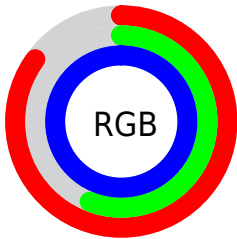
Format	Color
R _Y B	218, 143, 255
Decimal	14323711
CIE Lab	70.71, 47.36, -44.69
CIE LCh	71, 65.117, 316.659
Yxy	41.7703, 0.2865, 0.2107
Android (android.graphics.Color)	4292513791 (0xFFDA8FFF)
YUV	178.1930, 37.8659, 34.9107
Hunter-Lab	64.6299, 43.7333, -46.2007

Details

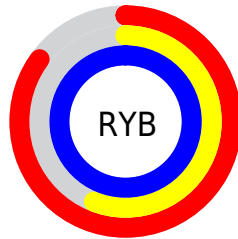
The XYZ color **56.7859, 41.7703, 99.6773** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.5410, 83.2068, 38.9106**, and the grayscale version is **42.2229, 44.4218, 48.3753**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **28.5471, 18.9666, 55.5824** is the 20% darker color. If you saturate the color by 10%, you get **50.9287, 33.7003, 98.4283**, and if you desaturate by 10%, it is **63.6438, 51.6495, 101.2227**.

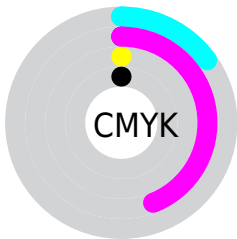
Distribution



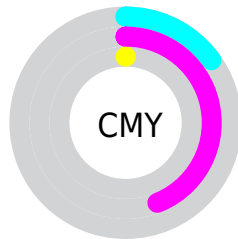
- Red (85%)
- Green (56%)
- Blue (100%)



- Red (85%)
- Yellow (56%)
- Blue (100%)



- Cyan (15%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7859, 41.7703, 99.6773 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 56.7859, 41.7703, 99.6773 by changing the saturation by 10% instead.


 56.7859, 41.7703,
99.6773

 56.7859, 41.7703,
99.6773

402.6737,
353.5299, 580.3954

 41.0728, 28.9215,
75.4157

 99.2859, 77.8519,
162.7617

 28.5639, 19.0214,
55.4497


 126.8035,
101.8534, 202.4215

 18.8938, 11.6858,
39.3609

158.9867,
130.3413, 248.0511

 11.6971, 6.5301,
26.7306

196.2009,
163.6999, 300.0691

 6.6085, 3.1700,
17.1403

238.8113,
202.3137, 358.8940

 3.2626, 1.2211,
10.1716

287.1833,

 1.2941, 0.0789,

246.5670, 424.9443

5.4058

341.6823,
296.8443, 498.6386

■ 0.1788, 0.0000,
2.4244

■ 0.0000, 0.0000,
0.7997

■ 56.7859, 41.7703,
99.6773

■ 56.7859, 41.7703,
99.6773

■ 50.9287, 33.7003,
98.4283

■ 63.6438, 51.6495,
101.2227

■ 46.0065, 27.3140,
97.4551

■ 71.5542, 63.4421,
103.0820

■ 41.9516, 22.4777,
96.7353

■ 80.5701, 77.2500,
105.2720

■ 38.6839, 19.0345,
96.2429

■ 90.7392, 93.1664,
107.8082

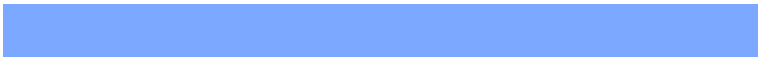
■ 36.1061, 16.7926, 95.0500, 100.0000,
95.9460 108.9000

■ 34.7927, 15.8512,
95.8335

Harmonies

Analogous

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



45.9520, 41.7703, 129.4766



56.7859, 41.7703, 99.6773



63.5082, 41.7703, 60.6184

Triad

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



56.7859, 41.7703, 99.6773



44.6847, 41.7703, 8.7005



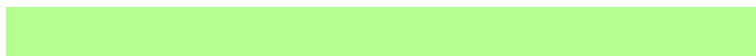
22.9552, 41.7703, 64.7328

Complementary

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



56.7859, 41.7703, 99.6773



59.5410, 83.2068, 38.9106

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.



22.7401, 41.7703, 33.0996



56.7859, 41.7703, 99.6773



34.0450, 41.7703, 8.9995

Square

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



56.7859, 41.7703, 99.6773



55.7144, 41.7703, 14.5053



26.4414, 41.7703, 15.6708



27.0945, 41.7703, 103.8385

Rectangle

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



56.7859, 41.7703, 99.6773



64.0845, 41.7703, 38.9319



26.4414, 41.7703, 15.6708



22.4516, 41.7703, 52.7256

Sweetspot

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



56.7873, 41.7720, 99.6775



81.4567, 78.6248, 105.4906



45.7676, 45.8384, 101.0432



16.9833, 16.1293, 22.4681



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.



56.7873, 41.7720, 99.6775



51.4276, 34.3705, 98.5314



66.2520, 46.9817, 85.1881



18.1754, 17.9821, 22.7629



18.3443, 8.3673, 50.0828



1.9016, 0.8742, 4.8818

Inverse Universe

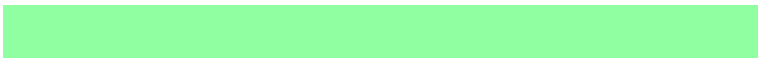
The Inverse Universe completely reimagines the original color for something new.



59.3015, 44.2015, 48.5871



54.6842, 37.3552, 39.6856



53.5807, 79.9569, 46.6381



18.2568, 18.0860, 19.9695



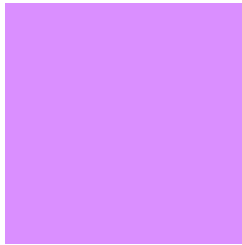
22.4510, 11.4697, 5.7595



2.2340, 1.1360, 0.8139

Previews

White Background



This preview shows how the XYZ color 56.7859, 41.7703, 99.6773 looks on a white background.

Color Contrast Check

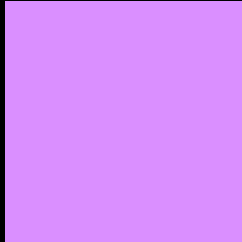
Large Text (above 18pt) WCAG AA × Fail

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 56.7859, 41.7703, 99.6773 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 56.7859, 41.7703, 99.6773

Background



This preview shows how black text looks on a background with the XYZ color 56.7859, 41.7703, 99.6773.



This preview shows how white text looks on a background with the XYZ color 56.7859, 41.7703,

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

56.7859, 41.7703, 99.6773

Protanopia

44.1145, 42.2751, 100.4426

Deuteranopia

43.1791, 42.1842, 95.4891



Tritanopia

45.8384, 41.6675, 45.6711

Trichromacy



Original Color

56.7859, 41.7703, 99.6773



Protanomaly

47.5895, 41.3677, 100.0843



Deuteranomaly

46.7350, 41.0008, 96.7175

Tritanomaly

48.9134, 41.1246, 61.8597

Monochromacy



Original Color

56.7859, 41.7703, 99.6773



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

46.5880, 42.7040, 64.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7859, 41.7703, 99.6773 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 143, 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(218, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7859, 41.7703, 99.6773 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, 143, 255) }
```


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

```
.border{ border-color:rgb(218, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7859, 41.7703, 99.6773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 143, 255) }
```

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

```
.background{ background-color: rgb(218,  
143, 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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