

Converting Colors

XYZ(58.5703, 39.9689, 99.2355)

Have a look what the booklet for
XYZ(58.5703, 39.9689, 99.2355)
contains.

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Color

**XYZ(58.6658, 40.0083,
99.2381)**

Conversions

Conversions Part 1

Format	Color
Hex	E682FF
RGB	230, 130, 255
RGB Percent	90%, 51%, 100%
CMY	0.0980, 0.4902, 0.0000
CMYK	0.10, 0.49, 0.00, 0.00
HSL	288°, 100%, 75%
HSV	288°, 49%, 100%
XYZ	58.6658, 40.0083, 99.2381
YIQ	174.1500, 19.4750, 60.0750

Conversions

Conversions Part 2

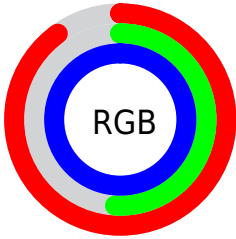
Format	Color
R _Y B	230, 130, 255
Decimal	15106815
CIE Lab	69.48, 57.29, -46.54
CIE LCh	69, 73.808, 320.909
Yxy	40.0083, 0.2964, 0.2022
Android (android.graphics.Color)	4293296895 (0xFFE682FF)
YUV	174.1500, 39.8591, 48.9805
Hunter-Lab	63.2521, 54.8660, -48.7453

Details

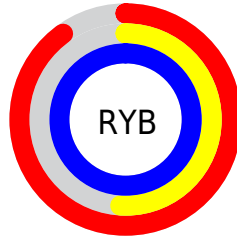
The XYZ color **58.6658, 40.0083, 99.2381** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.3077, 80.1007, 33.7722**, and the grayscale version is **40.1052, 42.1938, 45.9490**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **29.7907, 18.0168, 55.3335** is the 20% darker color. If you saturate the color by 10%, you get **54.0722, 33.2145, 98.1689**, and if you desaturate by 10%, it is **64.1502, 48.5107, 100.5902**.

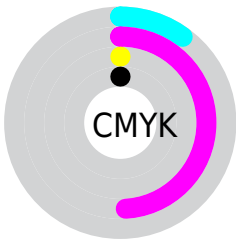
Distribution



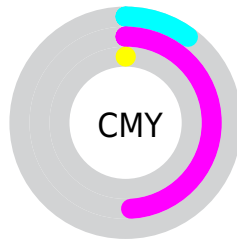
- Red (90%)
- Green (51%)
- Blue (100%)



- Red (90%)
- Yellow (51%)
- Blue (100%)



- Cyan (10%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6658, 40.0083, 99.2381 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 58.6658, 40.0083, 99.2381 by changing the saturation by 10% instead.


 58.6658, 40.0083,
99.2381


 58.6658, 40.0083,
99.2381


409.5763,
346.1586, 578.9730

 42.5895, 27.5450,
75.0511


 102.0092, 75.1762,
162.1525

 29.7563, 17.9830,
55.1527


 130.0070, 98.6495,
201.7169

 19.8008, 10.9378,
39.1246

 162.7093,
126.5617, 247.2443

 12.3578, 6.0250,
26.5481

200.4815,
159.2971, 299.1530

 7.0617, 2.8603,
17.0047

243.6889,
197.2400, 357.8617

 3.5474, 1.0592,
10.0758

292.6970,

 1.4494, 0.0000,

240.7750, 423.7889

5.3430

347.8710,
290.2864, 497.3532

■ 0.2910, 0.0000,
2.3877

■ 0.0000, 0.0000,
0.7797

■ 58.6658, 40.0083,
99.2381

■ 58.6658, 40.0083,
99.2381

■ 54.0722, 33.2145,
98.1689

■ 64.1502, 48.5107,
100.5902

■ 50.3019, 27.9976,
97.3606

■ 70.5786, 58.8304,
102.2432

■ 47.2834, 24.2146,
96.7895

■ 78.0045, 71.0729,
104.2149

■ 44.9309, 21.6942,
96.4270

■ 86.4763, 85.3342,
106.5211

■ 43.1173, 20.1830,
96.2309

95.0500, 100.0000,
108.9000

■ 42.9525, 20.0577,
96.2154

Harmonies

Analogous

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



46.7801, 40.0083, 137.7701



58.6658, 40.0083, 99.2381



65.3521, 40.0083, 54.7433

Triad

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



58.6658, 40.0083, 99.2381



41.7530, 40.0083, 5.6256



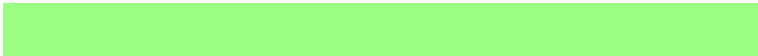
20.4238, 40.0083, 71.3456

Complementary

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



58.6658, 40.0083, 99.2381



53.3077, 80.1007, 33.7722

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.



19.6295, 40.0083, 34.0178



58.6658, 40.0083, 99.2381



30.4396, 40.0083, 6.5647

Square

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



58.6658, 40.0083, 99.2381



54.3342, 40.0083, 9.9502



22.9037, 40.0083, 13.9528



25.3598, 40.0083, 116.6688

Rectangle

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



58.6658, 40.0083, 99.2381



65.1715, 40.0083, 32.3120



22.9037, 40.0083, 13.9528



19.7107, 40.0083, 57.1607

Sweetspot

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



58.6671, 40.0100, 99.2383



81.2799, 76.5548, 105.1004



38.9787, 35.4102, 99.3882



17.0248, 15.7614, 22.3949



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.



58.6671, 40.0100, 99.2383



54.0796, 33.2250, 98.1705



61.8130, 42.2625, 70.8877



18.4159, 18.1061, 22.7742



22.5687, 10.5451, 50.2805



2.2836, 1.0711, 4.8997

Inverse Universe

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



55.1399, 39.5932, 35.7476



50.5936, 33.0108, 26.4936



51.9884, 79.0749, 49.3266



18.1579, 18.0465, 19.4485



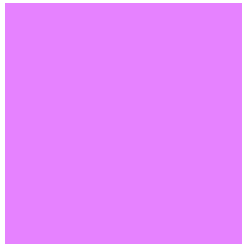
21.9027, 11.2504, 2.8719



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 58.6658, 40.0083, 99.2381 looks on a white background.

Color Contrast Check

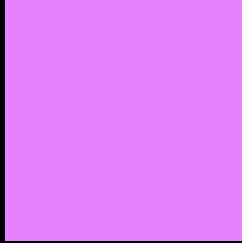
Large Text (above 18pt) WCAG AA × Fail

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 58.6658, 40.0083, 99.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

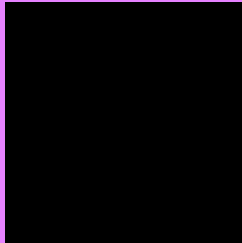
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6658, 40.0083, 99.2381

Background



This preview shows how black text looks on a background with the XYZ color 58.6658, 40.0083, 99.2381.



This preview shows how white text looks on a background with the XYZ color 58.6658, 40.0083,

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

58.6658, 40.0083, 99.2381

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.6125, 40.5565, 94.4419



Tritanopia

46.4544, 39.8525, 39.8942

Trichromacy



Original Color

58.6658, 40.0083, 99.2381



Protanomaly

46.4002, 38.9891, 99.6878



Deuteranomaly

45.9285, 39.0657, 96.3865

Tritanomaly

50.0613, 39.4616, 57.2029

Monochromacy



Original Color

58.6658, 40.0083, 99.2381



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

45.2545, 40.2349, 61.8808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6658, 40.0083, 99.2381 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(230, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 130, 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(230, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.6658, 40.0083, 99.2381 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(230, 130, 255) }
```


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

```
.border{ border-color:rgb(230, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6658, 40.0083, 99.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 130, 255) }
```

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

```
.background{ background-color: rgb(230,  
130, 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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