

Converting Colors

XYZ(65.0626, 42.9269,
134.6720)

Have a look what the booklet for
XYZ(65.0626, 42.9269, 134.6720)
contains.

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Color

**XYZ(58.2962, 40.2165,
99.2978)**

Conversions

Conversions Part 1

Format	Color
Hex	E484FF
RGB	228, 132, 255
RGB Percent	89%, 52%, 100%
CMY	0.1059, 0.4823, 0.0000
CMYK	0.11, 0.48, 0.00, 0.00
HSL	287°, 100%, 76%
HSV	287°, 48%, 100%
XYZ	58.2962, 40.2165, 99.2978
YIQ	174.7260, 17.7330, 58.6050

Conversions

Conversions Part 2

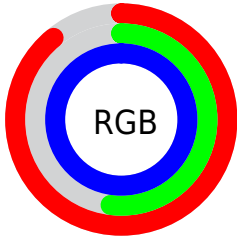
Format	Color
R _Y B	228, 132, 255
Decimal	14976255
CIE _{Lab}	69.62, 55.75, -46.32
CIE _{LCh}	70, 72.486, 320.278
Y _{xy}	40.2165, 0.2947, 0.2033
Android (android.graphics.Color)	4293166335 (0xFFE484FF)
Y _{UV}	174.7260, 39.5751, 46.7213
Hunter-Lab	63.4165, 53.1090, -48.4450

Details

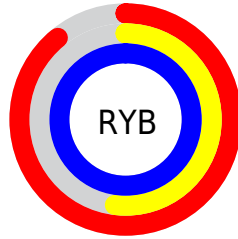
The XYZ color **58.2962, 40.2165, 99.2978** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.2237, 80.5572, 34.5227**, and the grayscale version is **40.4030, 42.5071, 46.2903**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **29.4950, 18.0720, 55.3598** is the 20% darker color. If you saturate the color by 10%, you get **53.5046, 33.2260, 98.2010**, and if you desaturate by 10%, it is **63.9929, 48.9298, 100.6793**.

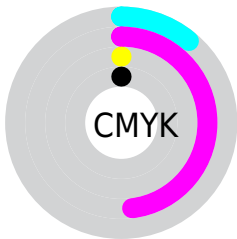
Distribution



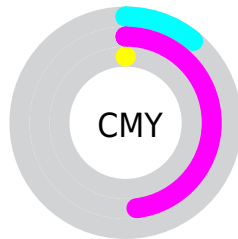
- Red (89%)
- Green (52%)
- Blue (100%)



- Red (89%)
- Yellow (52%)
- Blue (100%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2962, 40.2165, 99.2978 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 58.2962, 40.2165, 99.2978 by changing the saturation by 10% instead.


 58.2962, 40.2165,
99.2978

 58.2962, 40.2165,
99.2978


408.2248,
347.0352, 579.1664


 42.2910, 27.7074,
75.1006


 101.4746, 75.4931,
162.2353

 29.5213, 18.1052,
55.1931


 129.3784, 99.0293,
201.8127

 19.6218, 11.0255,
39.1567

 161.9792,
127.0101, 247.3540

 12.2271, 6.0840,
26.5729

199.6424,
159.8197, 299.2776

 6.9718, 2.8962,
17.0231

242.7331,
197.8427, 358.0021

 3.4907, 1.0778,
10.0888

291.6169,

 1.4182, 0.0000,

241.4633, 423.9460

5.3515

346.6590,
291.0660, 497.5280

■ 0.2692, 0.0000,
2.3926

■ 0.0000, 0.0000,
0.7824

■ 58.2962, 40.2165,
99.2978

■ 58.2962, 40.2165,
99.2978

■ 53.5046, 33.2260,
98.2010

■ 63.9929, 48.9298,
100.6793

■ 49.5509, 27.8278,
97.3674

■ 70.6476, 59.4739,
102.3638

■ 46.3646, 23.8805,
96.7735

■ 78.3135, 71.9537,
104.3686

■ 43.8607, 21.2153,
96.3910

■ 87.0389, 86.4647,
106.7097

■ 41.9225, 19.5993, 95.0500, 100.0000,
96.1812 108.9000

■ 41.6104, 19.3658,
96.1526

Harmonies

Analogous

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



46.5734, 40.2165, 136.4387



58.2962, 40.2165, 99.2978



64.9979, 40.2165, 55.6099

Triad

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



58.2962, 40.2165, 99.2978



42.1556, 40.2165, 6.0176



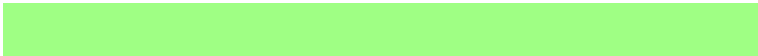
20.7513, 40.2165, 70.1631

Complementary

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



58.2962, 40.2165, 99.2978



54.2237, 80.5572, 34.5227

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.



20.0458, 40.2165, 33.7744



58.2962, 40.2165, 99.2978



30.9383, 40.2165, 6.8731

Square

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



58.2962, 40.2165, 99.2978



54.5000, 40.2165, 10.5548



23.3867, 40.2165, 14.1495



25.5623, 40.2165, 114.4956

Rectangle

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



58.2962, 40.2165, 99.2978



64.9440, 40.2165, 33.2594



23.3867, 40.2165, 14.1495



20.0704, 40.2165, 56.3348

Sweetspot

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



58.2975, 40.2182, 99.2980



81.8754, 77.8437, 105.3178



40.2596, 37.5122, 99.7264



17.1310, 16.0094, 22.4372



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.



58.2975, 40.2182, 99.2980



53.6067, 33.3706, 98.2235



62.7037, 43.0485, 74.2531



18.3796, 18.0874, 22.7725



21.8753, 10.1876, 50.2480



2.2217, 1.0393, 4.8968

Inverse Universe

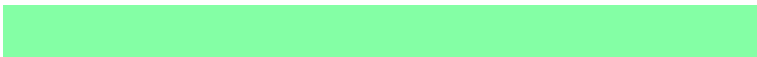
The Inverse Universe completely reimagines the original color for something new.



55.7501, 40.2671, 37.6360



51.2097, 33.6769, 28.4441



52.0501, 79.1354, 48.0349



18.1726, 18.0523, 19.5259



21.9663, 11.2758, 3.2073



2.1773, 1.1133, 0.5154

Previews

White Background



This preview shows how the XYZ color 58.2962, 40.2165, 99.2978 looks on a white background.

Color Contrast Check

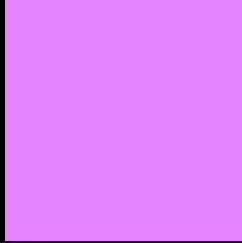
Large Text (above 18pt) WCAG AA × Fail

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 58.2962, 40.2165, 99.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

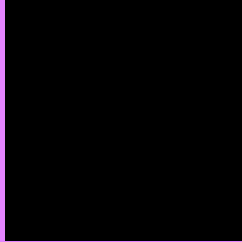
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2962, 40.2165, 99.2978

Background



This preview shows how black text looks on a background with the XYZ color 58.2962, 40.2165, 99.2978.



This preview shows how white text looks on a background with the XYZ color 58.2962, 40.2165,

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

58.2962, 40.2165, 99.2978

Protanopia

42.7001, 40.7142, 100.2158

Deuteranopia

41.6125, 40.5565, 94.4419



Tritanopia

46.2071, 39.9462, 40.8723

Trichromacy



Original Color

58.2962, 40.2165, 99.2978



Protanomaly

46.5659, 39.3206, 99.7431



Deuteranomaly

46.0956, 39.3999, 96.4422

Tritanomaly

49.8336, 39.5437, 58.4323

Monochromacy



Original Color

58.2962, 40.2165, 99.2978



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

45.5454, 40.6252, 62.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2962, 40.2165, 99.2978 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(228, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 132, 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(228, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2962, 40.2165, 99.2978 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(228, 132, 255) }
```


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

```
.border{ border-color:rgb(228, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2962, 40.2165, 99.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 132, 255) }
```

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

```
.background{ background-color: rgb(228,  
132, 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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