

Converting Colors

XYZ(59.7825, 29.4650, 97.1442)

Have a look what the booklet for
XYZ(59.7825, 29.4650, 97.1442)
contains.

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Color

**XYZ(59.7800, 29.4600,
97.1433)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1FFF
RGB	255, 31, 255
RGB Percent	100%, 12%, 100%
CMY	0.0000, 0.8784, 0.0000
CMYK	0.00, 0.88, 0.00, 0.00
HSL	300°, 100%, 56%
HSV	300°, 88%, 100%
XYZ	59.7800, 29.4600, 97.1433
YIQ	123.5120, 61.6000, 117.1520

Conversions

Conversions Part 2

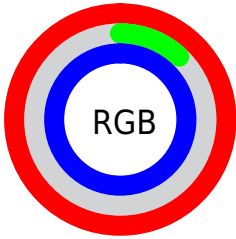
Format	Color
R _Y B	255, 31, 255
Decimal	16719871
CIE Lab	61.19, 95.70, -59.46
CIE LCh	61, 112.664, 328.146
Yxy	29.4600, 0.3207, 0.1581
Android (android.graphics.Color)	4294909951 (0xFFFF1FFF)
YUV	123.5120, 64.8236, 115.3150
Hunter-Lab	54.2771, 101.6125, -68.1213

Details

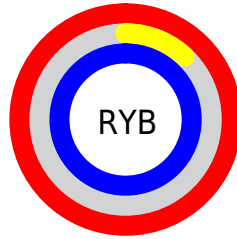
The XYZ color **59.7800, 29.4600, 97.1433** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.5733, 71.9107, 13.2502**, and the grayscale version is **18.7777, 19.7556, 21.5138**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.3499, 28.5998, 97.0000**, and if you desaturate by 10%, it is **60.7295, 31.3590, 97.4598**.

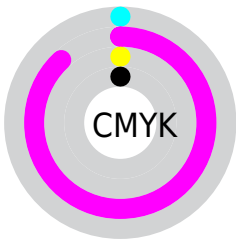
Distribution



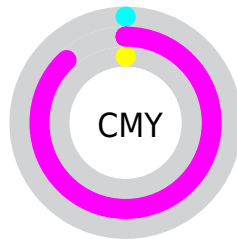
- Red (100%)
- Green (12%)
- Blue (100%)



- Red (100%)
- Yellow (12%)
- Blue (100%)



- Cyan (0%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (88%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7800, 29.4600, 97.1433 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 59.7800, 29.4600, 97.1433 by changing the saturation by 10% instead.


 59.7800, 29.4600,
97.1433


 59.7800, 29.4600,
97.1433

413.6341,
299.3792, 572.1627

 43.4901, 19.4291,
73.3134

 103.6186, 58.8071,
159.2433


 30.4660, 11.9807,
53.7389


 131.8981, 78.8922,
198.3505


 20.3424, 6.7306,
38.0012


 164.9048,
103.0973, 243.3873

 12.7539, 3.2942,
25.6818

 203.0040,
131.8070, 294.7720

 7.3351, 1.2872,
16.3621

 246.5613,
165.4057, 352.9235

 3.7207, 0.1312,
9.6236

295.9418,

 1.5454, 0.0000,

204.2777, 418.2600

5.0478

351.5109,
248.8074, 491.2002

■ 0.3564, 0.0000,
2.2161

■ 0.0000, 0.0000,
0.6836

■ 59.7800, 29.4600,
97.1433

■ 59.7800, 29.4600,
97.1433

■ 59.3499, 28.5998,
97.0000

■ 60.7295, 31.3590,
97.4598

■ 59.2900, 28.4800,
96.9800

■ 62.3088, 34.5176,
97.9863

■ 64.6021, 39.1042,
98.7507

■ 67.6803, 45.2605,
99.7768

71.6058, 53.1115,
101.0853

76.4347, 62.7693,
102.6949

82.2183, 74.3365,
104.6228

89.0041, 87.9081,
106.8847

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



43.6777, 29.4600, 170.8790



59.7800, 29.4600, 97.1433



67.1415, 29.4600, 34.7849

Triad

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



59.7800, 29.4600, 97.1433



28.9311, 29.4600, 0.0000



9.6623, 29.4600, 87.8994

Complementary

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



59.7800, 29.4600, 97.1433



36.5733, 71.9107, 13.2502

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.



8.1065, 29.4600, 29.5133



59.7800, 29.4600, 97.1433



16.6113, 29.4600, 0.4300

Square

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



59.7800, 29.4600, 97.1433



45.8564, 29.4600, 0.6848



10.1220, 29.4600, 5.4307



15.5113, 29.4600, 162.9667

Rectangle

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



59.7800, 29.4600, 97.1433



64.6646, 29.4600, 12.8058



10.1220, 29.4600, 5.4307



8.7347, 29.4600, 64.7285

Sweetspot

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



59.7805, 29.4610, 97.1435



77.4231, 64.7463, 103.0244



19.1062, 8.4926, 95.2400



16.1782, 13.0712, 21.9203



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.



59.7805, 29.4610, 97.1435



59.2900, 28.4800, 96.9800



46.6892, 24.2245, 28.2056



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



59.7805, 29.4610, 97.1435



59.2900, 28.4800, 96.9800



41.2844, 73.7951, 38.0586



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 59.7800, 29.4600, 97.1433 looks on a white background.

Color Contrast Check

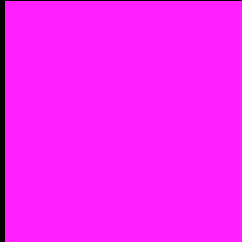
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.7800, 29.4600, 97.1433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

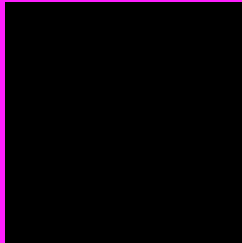
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.7800, 29.4600, 97.1433

Background



This preview shows how black text looks on a background with the XYZ color 59.7800, 29.4600, 97.1433.



This preview shows how white text looks on a background with the XYZ color 59.7800, 29.4600,

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

59.7800, 29.4600, 97.1433

Protanopia

32.9993, 29.9576, 98.6509

Deuteranopia

30.6325, 29.6952, 86.5553



Tritanopia

43.2613, 29.1770, 18.1035

Trichromacy



Original Color

59.7800, 29.4600, 97.1433



Protanomaly

36.3267, 23.9907, 97.3238



Deuteranomaly

34.2955, 23.2750, 89.0712



Tritanomaly

46.9209, 27.3646, 37.4592

Monochromacy



Original Color

59.7800, 29.4600, 97.1433



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

28.1158, 19.0615, 41.2271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7800, 29.4600, 97.1433 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(255, 31, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 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(255, 31, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.7800, 29.4600, 97.1433 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(255, 31, 255) }
```


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

```
.border{ border-color:rgb(255, 31, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7800, 29.4600, 97.1433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 255) }
```

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

```
.background{ background-color: rgb(255, 31,  
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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