

Converting Colors

XYZ(59.8679, 29.6357, 97.1726)

Have a look what the booklet for
XYZ(59.8679, 29.6357, 97.1726)
contains.

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Color

**XYZ(59.8620, 29.6241,
97.1707)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF22FF |
| RGB | 255, 34, 255 |
| RGB Percent | 100%, 13%, 100% |
| CMY | 0.0000, 0.8666, 0.0000 |
| CMYK | 0.00, 0.87, 0.00, 0.00 |
| HSL | 300°, 100%, 57% |
| HSV | 300°, 87%, 100% |
| XYZ | 59.8620, 29.6241, 97.1707 |
| YIQ | 125.2730, 60.7750, 115.5830 |

Conversions

Conversions Part 2

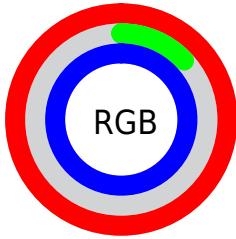
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 34, 255 |
| Decimal | 16720639 |
| CIE Lab | 61.33, 95.28, -59.23 |
| CIE LCh | 61, 112.186, 328.132 |
| Yxy | 29.6241, 0.3207, 0.1587 |
| Android (android.graphics.Color) | 4294910719 (0xFFFF22FF) |
| YUV | 125.2730, 63.9554, 113.7706 |
| Hunter-Lab | 54.4280, 101.0720, -67.7512 |

Details

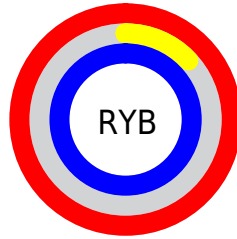
The XYZ color **59.8620, 29.6241, 97.1707** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.7093, 71.9760, 13.4728**, and the grayscale version is **19.3656, 20.3741, 22.1874**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.3825, 28.6649, 97.0108**, and if you desaturate by 10%, it is **60.8808, 31.6616, 97.5103**.

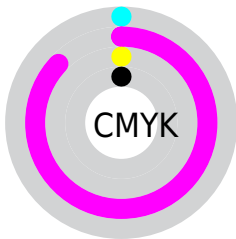
Distribution



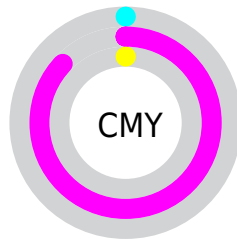
- Red (100%)
- Green (13%)
- Blue (100%)



- Red (100%)
- Yellow (13%)
- Blue (100%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8620, 29.6241, 97.1707 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 59.8620, 29.6241, 97.1707 by changing the saturation by 10% instead.


 59.8620, 29.6241,
97.1707


 59.8620, 29.6241,
97.1707

413.9318,
300.1483, 572.2520

 43.5564, 19.5534,
73.3361


 103.7369, 59.0672,
159.2814


 30.5184, 12.0709,
53.7574

 132.0370, 79.2084,
198.3946


 20.3824, 6.7920,
38.0159


 165.0660,
103.4753, 243.4378

 12.7832, 3.3323,
25.6931

 203.1893,
132.2523, 294.8295

 7.3554, 1.3076,
16.3705

 246.7721,
165.9236, 352.9882

 3.7336, 0.1471,
9.6295

296.1799,

 1.5526, 0.0000,

204.8739, 418.3325

5.0516

351.7780,
249.4873, 491.2809

■ 0.3612, 0.0000,
2.2183

■ 0.0000, 0.0000,
0.6849

■ 59.8620, 29.6241,
97.1707

■ 59.8620, 29.6241,
97.1707

■ 59.3825, 28.6649,
97.0108

■ 60.8808, 31.6616,
97.5103

■ 59.2900, 28.4800,
96.9800

■ 62.5400, 34.9801,
98.0633

■ 64.9221, 39.7443,
98.8574

■ 68.0969, 46.0938,
99.9156

72.1258, 54.1517,
101.2586

77.0644, 64.0289,
102.9048

82.9635, 75.8271,
104.8712

89.8702, 89.6404,
107.1734

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.



43.8023, 29.6241, 170.5226



59.8620, 29.6241, 97.1707



67.2039, 29.6241, 34.9830

Triad

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



59.8620, 29.6241, 97.1707



29.0937, 29.6241, 0.0000



9.7901, 29.6241, 87.8944

Complementary

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



59.8620, 29.6241, 97.1707



36.7093, 71.9760, 13.4728

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.



8.2281, 29.6241, 29.6738



59.8620, 29.6241, 97.1707



16.7663, 29.6241, 0.4758

Square

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



59.8620, 29.6241, 97.1707



45.9927, 29.6241, 0.7315



10.2555, 29.6241, 5.5365



15.6557, 29.6241, 162.5948

Rectangle

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



59.8620, 29.6241, 97.1707



64.7400, 29.6241, 12.9720



10.2555, 29.6241, 5.5365



8.8586, 29.6241, 64.8107

Sweetspot

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



59.8626, 29.6252, 97.1709



77.4231, 64.7463, 103.0244



19.2829, 8.7056, 95.2718



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.



59.8626, 29.6252, 97.1709



59.2900, 28.4800, 96.9800



46.8857, 24.4344, 28.8354



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.



59.8626, 29.6252, 97.1709



59.2900, 28.4800, 96.9800



41.4934, 73.8896, 38.6655



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 59.8620, 29.6241, 97.1707 looks on a white background.

Color Contrast Check

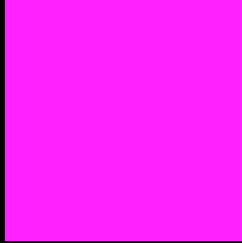
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.8620, 29.6241, 97.1707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

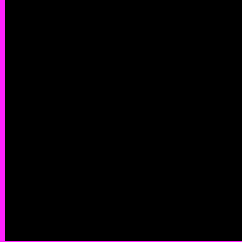
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.8620, 29.6241, 97.1707

Background



This preview shows how black text looks on a background with the XYZ color 59.8620, 29.6241, 97.1707.



This preview shows how white text looks on a background with the XYZ color 59.8620, 29.6241,

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

59.8620, 29.6241, 97.1707

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

30.8893, 30.0615, 86.6125



Tritanopia

43.4162, 29.3990, 18.4252

Trichromacy



Original Color

59.8620, 29.6241, 97.1707



Protanomaly

36.4280, 24.1932, 97.3575



Deuteranomaly

34.5016, 23.6873, 89.1399



Tritanomaly

47.0630, 27.6488, 37.5066

Monochromacy



Original Color

59.8620, 29.6241, 97.1707



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

28.2868, 19.4035, 41.2841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8620, 29.6241, 97.1707 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, 34, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 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, 34, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.8620, 29.6241, 97.1707 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, 34, 255) }
```


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

```
.border{ border-color:rgb(255, 34, 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, 34, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8620, 29.6241, 97.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 255) }
```

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

```
.background{ background-color: rgb(255, 34,  
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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