

Converting Colors

XYZ(59.9445, 29.7889, 97.1982)

Have a look what the booklet for
XYZ(59.9445, 29.7889, 97.1982)
contains.

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Color

**XYZ(59.9516, 29.8031,
97.2005)**

Conversions

Conversions Part 1

Format	Color
Hex	FF25FF
RGB	255, 37, 255
RGB Percent	100%, 15%, 100%
CMY	0.0000, 0.8548, 0.0000
CMYK	0.00, 0.85, 0.00, 0.00
HSL	300°, 100%, 57%
HSV	300°, 85%, 100%
XYZ	59.9516, 29.8031, 97.2005
YIQ	127.0340, 59.9500, 114.0140

Conversions

Conversions Part 2

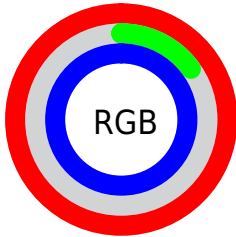
Format	Color
R _Y B	255, 37, 255
Decimal	16721407
CIE _{Lab}	61.48, 94.82, -58.98
CIE _{LCh}	61, 111.668, 328.117
Y _{xy}	29.8031, 0.3207, 0.1594
Android (android.graphics.Color)	4294911487 (0xFFFF25FF)
YUV	127.0340, 63.0872, 112.2262
Hunter-Lab	54.5922, 100.4872, -67.3503

Details

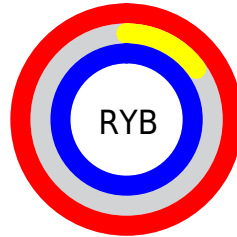
The XYZ color **59.9516, 29.8031, 97.2005** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.8577, 72.0473, 13.7155**, and the grayscale version is **19.9635, 21.0031, 22.8724**.

A 20% lighter version of the original color is **65.5354, 40.9708, 99.0618**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.4157, 28.7313, 97.0219**, and if you desaturate by 10%, it is **61.0408, 31.9816, 97.5636**.

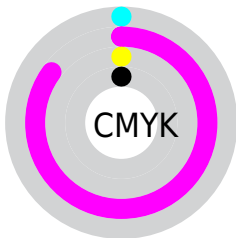
Distribution



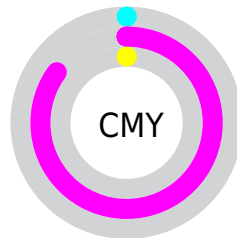
- Red (100%)
- Green (15%)
- Blue (100%)



- Red (100%)
- Yellow (15%)
- Blue (100%)



- Cyan (0%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9516, 29.8031, 97.2005 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 59.9516, 29.8031, 97.2005 by changing the saturation by 10% instead.


 59.9516, 29.8031,
97.2005


 59.9516, 29.8031,
97.2005

414.2569,
300.9856, 572.3492


 43.6289, 19.6892,
73.3608


 103.8662, 59.3507,
159.3228


 30.5756, 12.1693,
53.7774


 132.1888, 79.5531,
198.4426


 20.4261, 6.8591,
38.0318

 165.2422,
103.8871, 243.4928

 12.8152, 3.3741,
25.7053

 203.3916,
132.7372, 294.8919

 7.3775, 1.3300,
16.3795

 247.0024,
166.4877, 353.0586

 3.7477, 0.1643,
9.6359

296.4400,

 1.5604, 0.0000,

205.5230, 418.4114

5.0558

352.0697,
250.2275, 491.3687

■ 0.3664, 0.0000,
2.2207

■ 0.0000, 0.0000,
0.6863

■ 59.9516, 29.8031,
97.2005

■ 59.9516, 29.8031,
97.2005

■ 59.4157, 28.7313,
97.0219

■ 61.0408, 31.9816,
97.5636

■ 59.2900, 28.4800,
96.9800

■ 62.7810, 35.4620,
98.1437

■ 65.2528, 40.4056,
98.9676

■ 68.5249, 46.9497,
100.0583

72.6579, 55.2158,
101.4360

77.7068, 65.3136,
103.1189

83.7219, 77.3438,
105.1240

90.7499, 91.3998,
107.4666

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.



43.9382, 29.8031, 170.1370



59.9516, 29.8031, 97.2005



67.2721, 29.8031, 35.1988

Triad

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



59.9516, 29.8031, 97.2005



29.2710, 29.8031, 0.0000



9.9303, 29.8031, 87.8901

Complementary

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



59.9516, 29.8031, 97.2005



36.8577, 72.0473, 13.7155

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.



8.3616, 29.8031, 29.8491



59.9516, 29.8031, 97.2005



16.9356, 29.8031, 0.5255

Square

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



59.9516, 29.8031, 97.2005



46.1411, 29.8031, 0.7821



10.4018, 29.8031, 5.6531



15.8136, 29.8031, 162.1934

Rectangle

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



59.9516, 29.8031, 97.2005



64.8224, 29.8031, 13.1539



10.4018, 29.8031, 5.6531



8.9946, 29.8031, 64.9010

Sweetspot

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



59.9521, 29.8041, 97.2007



77.4231, 64.7463, 103.0244



19.4756, 8.9377, 95.3064



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.



59.9521, 29.8041, 97.2007



59.2900, 28.4800, 96.9800



47.0910, 24.6597, 29.4751



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.



59.9521, 29.8041, 97.2007



59.2900, 28.4800, 96.9800



41.7124, 73.9892, 39.2802



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 59.9516, 29.8031, 97.2005 looks on a white background.

Color Contrast Check

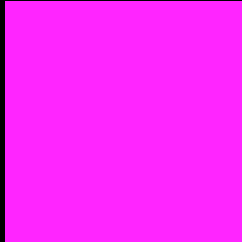
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.9516, 29.8031, 97.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

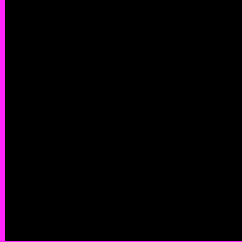
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.9516, 29.8031, 97.2005

Background



This preview shows how black text looks on a background with the XYZ color 59.9516, 29.8031, 97.2005.



This preview shows how white text looks on a background with the XYZ color 59.9516, 29.8031,

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

59.9516, 29.8031, 97.2005

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.9898, 30.1133, 86.6172



Tritanopia

43.4162, 29.3990, 18.4252

Trichromacy



Original Color

59.9516, 29.8031, 97.2005



Protanomaly

36.7216, 24.4966, 97.4006



Deuteranomaly

34.7929, 23.9931, 89.1835



Tritanomaly

47.1357, 27.7941, 37.5308

Monochromacy



Original Color

59.9516, 29.8031, 97.2005



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

29.0982, 20.0601, 42.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9516, 29.8031, 97.2005 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, 37, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 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, 37, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9516, 29.8031, 97.2005 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, 37, 255) }
```


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

```
.border{ border-color:rgb(255, 37, 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, 37, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9516, 29.8031, 97.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 255) }
```

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

```
.background{ background-color: rgb(255, 37,  
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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