

Converting Colors

XYZ(60.0005, 29.9010, 97.2168)

Have a look what the booklet for
XYZ(60.0005, 29.9010, 97.2168)
contains.

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Color

**XYZ(60.0155, 29.9310,
97.2218)**

Conversions

Conversions Part 1

Format	Color
Hex	FF27FF
RGB	255, 39, 255
RGB Percent	100%, 15%, 100%
CMY	0.0000, 0.8470, 0.0000
CMYK	0.00, 0.85, 0.00, 0.00
HSL	300°, 100%, 58%
HSV	300°, 85%, 100%
XYZ	60.0155, 29.9310, 97.2218
YIQ	128.2080, 59.4000, 112.9680

Conversions

Conversions Part 2

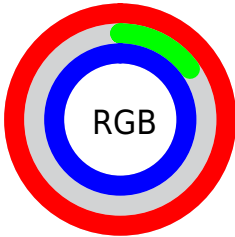
Format	Color
R _Y B	255, 39, 255
Decimal	16721919
CIE Lab	61.59, 94.50, -58.81
CIE LCh	62, 111.299, 328.106
Yxy	29.9310, 0.3206, 0.1599
Android (android.graphics.Color)	4294911999 (0xFFFF27FF)
YUV	128.2080, 62.5085, 111.1966
Hunter-Lab	54.7092, 100.0716, -67.0657

Details

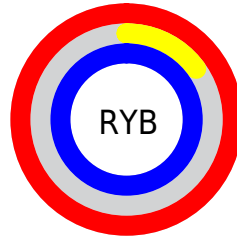
The XYZ color **60.0155, 29.9310, 97.2218** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.9637, 72.0982, 13.8889**, and the grayscale version is **20.3684, 21.4292, 23.3364**.

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 **59.4406, 28.7812, 97.0302**, and if you desaturate by 10%, it is **61.1526, 32.2052, 97.6009**.

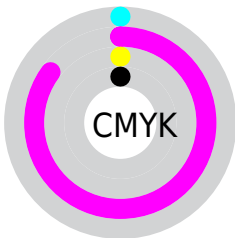
Distribution



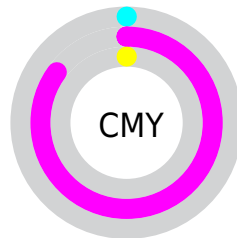
- Red (100%)
- Green (15%)
- Blue (100%)



- 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 60.0155, 29.9310, 97.2218 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 60.0155, 29.9310, 97.2218 by changing the saturation by 10% instead.


 60.0155, 29.9310,
97.2218


 60.0155, 29.9310,
97.2218


414.4887,
301.5827, 572.4187

 43.6806, 19.7862,
73.3785


 103.9584, 59.5530,
159.3524


 30.6163, 12.2397,
53.7918


 132.2971, 79.7991,
198.4769


 20.4573, 6.9072,
38.0432


 165.3678,
104.1810, 243.5321

 12.8381, 3.4041,
25.7141

 203.5359,
133.0832, 294.9366

 7.3934, 1.3462,
16.3860

 247.1666,
166.8901, 353.1089

 3.7578, 0.1765,
9.6404

296.6255,

 1.5660, 0.0000,

205.9860, 418.4677

5.0587

352.2777,
250.7554, 491.4315

■ 0.3701, 0.0000,
2.2224

■ 0.0000, 0.0000,
0.6873

■ 60.0155, 29.9310,
97.2218

■ 60.0155, 29.9310,
97.2218

■ 59.4406, 28.7812,
97.0302

■ 61.1526, 32.2052,
97.6009

■ 59.2900, 28.4800,
96.9800

■ 62.9475, 35.7949,
98.1992

■ 65.4797, 40.8593,
99.0432

■ 68.8171, 47.5342,
100.1557

73.0201, 55.9401,
101.5567

78.1430, 66.1860,
103.2643

84.2359, 78.3718,
105.2953

91.3452, 92.5903,
107.6651

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.



44.0351, 29.9310, 169.8630



60.0155, 29.9310, 97.2218



67.3207, 29.9310, 35.3530

Triad

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



60.0155, 29.9310, 97.2218



29.3977, 29.9310, 0.0000



10.0309, 29.9310, 87.8872

Complementary

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



60.0155, 29.9310, 97.2218



36.9637, 72.0982, 13.8889

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.



8.4574, 29.9310, 29.9744



60.0155, 29.9310, 97.2218



17.0569, 29.9310, 0.5609

Square

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



60.0155, 29.9310, 97.2218



46.2470, 29.9310, 0.8182



10.5068, 29.9310, 5.7370



15.9266, 29.9310, 161.9082

Rectangle

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



60.0155, 29.9310, 97.2218



64.8811, 29.9310, 13.2845



10.5068, 29.9310, 5.7370



9.0922, 29.9310, 64.9654

Sweetspot

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



60.0160, 29.9320, 97.2220



77.9754, 65.8507, 103.2085



19.6133, 9.1037, 95.3312



16.2837, 13.2823, 21.9554



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.



60.0160, 29.9320, 97.2220



59.2900, 28.4800, 96.9800



47.2331, 24.8189, 29.9080



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.



60.0160, 29.9320, 97.2220



59.2900, 28.4800, 96.9800



41.8643, 74.0585, 39.6951



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 60.0155, 29.9310, 97.2218 looks on a white background.

Color Contrast Check

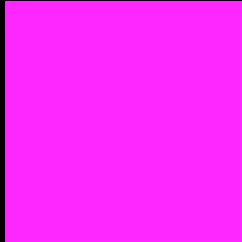
Large Text (above 18pt) WCAG AA ✓ Pass

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 60.0155, 29.9310, 97.2218 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 60.0155, 29.9310, 97.2218

Background



This preview shows how black text looks on a background with the XYZ color 60.0155, 29.9310, 97.2218.



This preview shows how white text looks on a background with the XYZ color 60.0155, 29.9310,

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

60.0155, 29.9310, 97.2218

Protanopia

33.3659, 30.3744, 98.7120

Deuteranopia

31.0917, 30.1658, 86.6220



Tritanopia

43.5728, 29.6237, 18.7506

Trichromacy



Original Color

60.0155, 29.9310, 97.2218



Protanomaly

36.8253, 24.7040, 97.4352



Deuteranomaly

35.0869, 24.3022, 89.2277



Tritanomaly

47.2995, 27.9777, 38.0292

Monochromacy



Original Color

60.0155, 29.9310, 97.2218



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

29.2784, 20.4204, 42.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0155, 29.9310, 97.2218 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, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 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, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.0155, 29.9310, 97.2218 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, 39, 255) }
```


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

```
.border{ border-color:rgb(255, 39, 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, 39, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0155, 29.9310, 97.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 255) }
```

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

```
.background{ background-color: rgb(255, 39,  
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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