

Converting Colors

XYZ(60.0559, 30.0117, 97.2353)

Have a look what the booklet for
XYZ(60.0559, 30.0117, 97.2353)
contains.

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Color

**XYZ(60.0488, 29.9976,
97.2329)**

Conversions

Conversions Part 1

Format	Color
Hex	FF28FF
RGB	255, 40, 255
RGB Percent	100%, 16%, 100%
CMY	0.0000, 0.8431, 0.0000
CMYK	0.00, 0.84, 0.00, 0.00
HSL	300°, 100%, 58%
HSV	300°, 84%, 100%
XYZ	60.0488, 29.9976, 97.2329
YIQ	128.7950, 59.1250, 112.4450

Conversions

Conversions Part 2

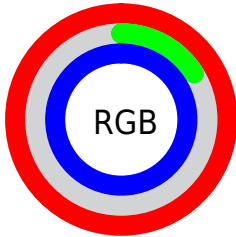
Format	Color
R _Y B	255, 40, 255
Decimal	16722175
CIE Lab	61.65, 94.33, -58.71
CIE LCh	62, 111.107, 328.100
Yxy	29.9976, 0.3206, 0.1602
Android (android.graphics.Color)	4294912255 (0xFFFF28FF)
YUV	128.7950, 62.2191, 110.6818
Hunter-Lab	54.7701, 99.8562, -66.9181

Details

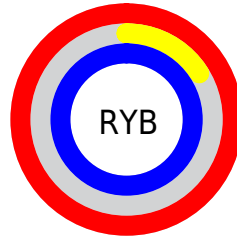
The XYZ color **60.0488, 29.9976, 97.2329** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.0190, 72.1247, 13.9793**, and the grayscale version is **20.5728, 21.6442, 23.5705**.

A 20% lighter version of the original color is **65.6513, 41.2026, 99.1004**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.4541, 28.8081, 97.0347**, and if you desaturate by 10%, it is **61.2100, 32.3201, 97.6200**.

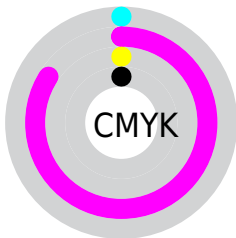
Distribution



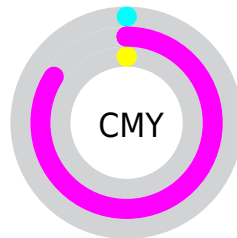
- Red (100%)
- Green (16%)
- Blue (100%)



- Red (100%)
- Yellow (16%)
- Blue (100%)



- Cyan (0%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0488, 29.9976, 97.2329 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 60.0488, 29.9976, 97.2329 by changing the saturation by 10% instead.


 60.0488, 29.9976,
97.2329


 60.0488, 29.9976,
97.2329


414.6095,
301.8933, 572.4549


 43.7076, 19.8368,
73.3877

 104.0064, 59.6584,
159.3679


 30.6376, 12.2764,
53.7993


 132.3535, 79.9271,
198.4947


 20.4735, 6.9322,
38.0491


 165.4332,
104.3340, 243.5525

 12.8500, 3.4198,
25.7187

 203.6110,
133.2633, 294.9598

 7.4016, 1.3546,
16.3894

 247.2522,
167.0995, 353.1352

 3.7631, 0.1829,
9.6428

296.7221,

 1.5690, 0.0000,

206.2269, 418.4971

5.0603

352.3861,
251.0301, 491.4642

■ 0.3721, 0.0000,
2.2233

■ 0.0000, 0.0000,
0.6878

■ 60.0488, 29.9976,
97.2329

■ 60.0488, 29.9976,
97.2329

■ 59.4541, 28.8081,
97.0347

■ 61.2100, 32.3201,
97.6200

■ 59.2900, 28.4800,
96.9800

■ 63.0324, 35.9649,
98.2275

■ 65.5950, 41.0900,
99.0817

■ 68.9653, 47.8307,
100.2051

73.2034, 56.3068,
101.6178

78.3634, 66.6269,
103.3378

84.4953, 78.8907,
105.3818

91.6454, 93.1908,
107.7651

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.



44.0856, 29.9976, 169.7211



60.0488, 29.9976, 97.2329



67.3461, 29.9976, 35.4332

Triad

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



60.0488, 29.9976, 97.2329



29.4636, 29.9976, 0.0000



10.0834, 29.9976, 87.8859

Complementary

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



60.0488, 29.9976, 97.2329



37.0190, 72.1247, 13.9793

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.



8.5075, 29.9976, 30.0397



60.0488, 29.9976, 97.2329



17.1201, 29.9976, 0.5793

Square

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



60.0488, 29.9976, 97.2329



46.3020, 29.9976, 0.8369



10.5616, 29.9976, 5.7810



15.9856, 29.9976, 161.7605

Rectangle

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



60.0488, 29.9976, 97.2329



64.9117, 29.9976, 13.3526



10.5616, 29.9976, 5.7810



9.1431, 29.9976, 64.9990

Sweetspot

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



60.0493, 29.9986, 97.2331



77.9754, 65.8507, 103.2085



19.6850, 9.1901, 95.3441



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.



60.0493, 29.9986, 97.2331



59.2900, 28.4800, 96.9800



47.3057, 24.9012, 30.1263



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.



60.0493, 29.9986, 97.2331



59.2900, 28.4800, 96.9800



41.9421, 74.0940, 39.9042



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 60.0488, 29.9976, 97.2329 looks on a white background.

Color Contrast Check

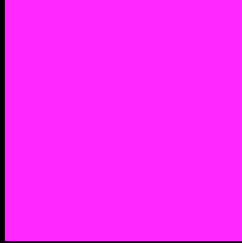
Large Text (above 18pt) WCAG AA ✓ Pass

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 60.0488, 29.9976, 97.2329 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 60.0488, 29.9976, 97.2329

Background



This preview shows how black text looks on a background with the XYZ color 60.0488, 29.9976, 97.2329.



This preview shows how white text looks on a background with the XYZ color 60.0488, 29.9976,

97.2329.

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

60.0488, 29.9976, 97.2329

Protanopia

33.4745, 30.4304, 98.7171

Deuteranopia

31.0917, 30.1658, 86.6220



Tritanopia

43.5728, 29.6237, 18.7506

Trichromacy



Original Color

60.0488, 29.9976, 97.2329



Protanomaly

37.0180, 24.8033, 97.4442



Deuteranomaly

35.0869, 24.3022, 89.2277



Tritanomaly

47.2995, 27.9777, 38.0292

Monochromacy



Original Color

60.0488, 29.9976, 97.2329



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

29.6918, 20.7585, 42.9993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0488, 29.9976, 97.2329 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, 40, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 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, 40, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.0488, 29.9976, 97.2329 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, 40, 255) }
```


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

```
.border{ border-color:rgb(255, 40, 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, 40, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0488, 29.9976, 97.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 255) }
```

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

```
.background{ background-color: rgb(255, 40,  
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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