

Converting Colors

XYZ(60.0701, 30.0403, 97.2400)

Have a look what the booklet for
XYZ(60.0701, 30.0403, 97.2400)
contains.

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Color

**XYZ(60.0829, 30.0659,
97.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	FF29FF
RGB	255, 41, 255
RGB Percent	100%, 16%, 100%
CMY	0.0000, 0.8392, 0.0000
CMYK	0.00, 0.84, 0.00, 0.00
HSL	300°, 100%, 58%
HSV	300°, 84%, 100%
XYZ	60.0829, 30.0659, 97.2443
YIQ	129.3820, 58.8500, 111.9220

Conversions

Conversions Part 2

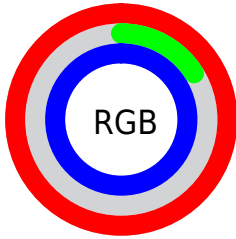
Format	Color
R _Y B	255, 41, 255
Decimal	16722431
CIE Lab	61.71, 94.15, -58.62
CIE LCh	62, 110.911, 328.094
Yxy	30.0659, 0.3206, 0.1604
Android (android.graphics.Color)	4294912511 (0xFFFF29FF)
YUV	129.3820, 61.9297, 110.1670
Hunter-Lab	54.8324, 99.6357, -66.7671

Details

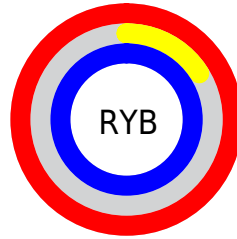
The XYZ color **60.0829, 30.0659, 97.2443** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.0756, 72.1520, 14.0719**, and the grayscale version is **20.7783, 21.8604, 23.8060**.

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 **59.4682, 28.8364, 97.0394**, and if you desaturate by 10%, it is **61.2685, 32.4370, 97.6395**.

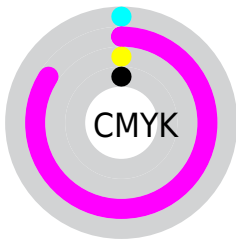
Distribution



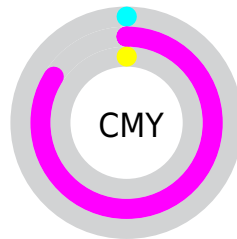
- Red (100%)
- Green (16%)
- Blue (100%)



- 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 60.0829, 30.0659, 97.2443 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 60.0829, 30.0659, 97.2443 by changing the saturation by 10% instead.

 60.0829, 30.0659,
97.2443


 60.0829, 30.0659,
97.2443

414.7331,
302.2115, 572.4920

 43.7352, 19.8886,
73.3971

 104.0556, 59.7664,
159.3837

 30.6594, 12.3141,
53.8070


 132.4112, 80.0584,
198.5131


 20.4902, 6.9580,
38.0552


 165.5003,
104.4907, 243.5736

 12.8622, 3.4358,
25.7234

 203.6880,
133.4478, 294.9837

 7.4101, 1.3633,
16.3929

 247.3398,
167.3140, 353.1621

 3.7684, 0.1894,
9.6453

296.8210,

 1.5720, 0.0000,

206.4738, 418.5273

5.0619

352.4970,
251.3115, 491.4977

■ 0.3740, 0.0000,
2.2242

■ 0.0000, 0.0000,
0.6883

■ 60.0829, 30.0659,
97.2443

■ 60.0829, 30.0659,
97.2443

■ 59.4682, 28.8364,
97.0394


■ 61.2685, 32.4370,
97.6395

■ 59.2900, 28.4800,
96.9800


■ 63.1185, 36.1371,
98.2562


■ 65.7116, 41.3231,
99.1205

■ 69.1149, 48.1297,
100.2550

 73.3881, 56.6762,
101.6794

 78.5853, 67.0707,
103.4118

 84.7563, 79.4127,
105.4688

 91.9472, 93.7945,
107.8657

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.



44.1373, 30.0659, 169.5757



60.0829, 30.0659, 97.2443



67.3721, 30.0659, 35.5155

Triad

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



60.0829, 30.0659, 97.2443



29.5312, 30.0659, 0.0000



10.1374, 30.0659, 87.8846

Complementary

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



60.0829, 30.0659, 97.2443



37.0756, 72.1520, 14.0719

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.



8.5590, 30.0659, 30.1066



60.0829, 30.0659, 97.2443



17.1850, 30.0659, 0.5982

Square

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



60.0829, 30.0659, 97.2443



46.3585, 30.0659, 0.8560



10.6179, 30.0659, 5.8262



16.0461, 30.0659, 161.6094

Rectangle

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



60.0829, 30.0659, 97.2443



64.9431, 30.0659, 13.4226



10.6179, 30.0659, 5.8262



9.1955, 30.0659, 65.0335

Sweetspot

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



60.0835, 30.0670, 97.2445



77.9754, 65.8507, 103.2085



19.7586, 9.2787, 95.3573



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.



60.0835, 30.0670, 97.2445



59.2900, 28.4800, 96.9800



47.3794, 24.9854, 30.3458



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.



60.0835, 30.0670, 97.2445



59.2900, 28.4800, 96.9800



42.0210, 74.1301, 40.1141



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 60.0829, 30.0659, 97.2443 looks on a white background.

Color Contrast Check

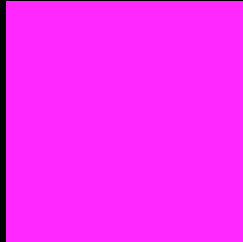
Large Text (above 18pt) WCAG AA × Fail

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 60.0829, 30.0659, 97.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

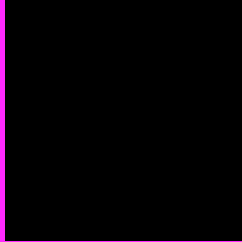
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.0829, 30.0659, 97.2443

Background



This preview shows how black text looks on a background with the XYZ color 60.0829, 30.0659, 97.2443.



This preview shows how white text looks on a background with the XYZ color 60.0829, 30.0659,

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

60.0829, 30.0659, 97.2443

Protanopia

33.4745, 30.4304, 98.7171

Deuteranopia

31.1949, 30.2191, 86.6268



Tritanopia

43.5728, 29.6237, 18.7506

Trichromacy



Original Color

60.0829, 30.0659, 97.2443



Protanomaly

37.1229, 25.0130, 97.4792



Deuteranomaly

35.1942, 24.5167, 89.2635



Tritanomaly

47.3743, 28.1274, 38.0542

Monochromacy



Original Color

60.0829, 30.0659, 97.2443



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 60.0829, 30.0659, 97.2443 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, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 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, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.0829, 30.0659, 97.2443 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, 41, 255) }
```


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

```
.border{ border-color:rgb(255, 41, 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, 41, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0829, 30.0659, 97.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 255) }
```

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

```
.background{ background-color: rgb(255, 41,  
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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