

Converting Colors

XYZ(29.5284, 13.4107, 83.2368)

Have a look what the booklet for
XYZ(29.5284, 13.4107, 83.2368)
contains.

XYZ(29.6328, 13.4594, 83.4742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6328, 13.4594,
83.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	9D00F0
RGB	157, 0, 240
RGB Percent	62%, 0%, 94%
CMY	0.3843, 1.0000, 0.0588
CMYK	0.35, 1.00, 0.00, 0.06
HSL	279°, 100%, 47%
HSV	279°, 100%, 94%
XYZ	29.6328, 13.4594, 83.4742
YIQ	74.3030, 16.5320, 107.9240

Conversions

Conversions Part 2

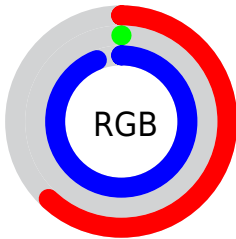
Format	Color
RYB	157, 0, 240
Decimal	10289392
CIELab	43.45, 82.80, -80.55
CIELCh	43, 115.516, 315.789
Yxy	13.4594, 0.2341, 0.1063
Android (android.graphics.Color)	4288479472 (0xFF9D00F0)
YUV	74.3030, 81.6886, 72.5253
Hunter-Lab	36.6871, 79.9753, -109.2218

Details

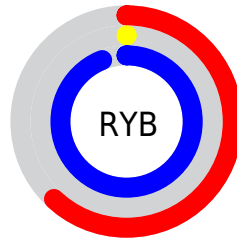
The XYZ color **29.6328, 13.4594, 83.4742** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **34.7275, 64.1594, 10.5538**, and the grayscale version is **6.4210, 6.7554, 7.3566**.

A 20% lighter version of the original color is **50.3716, 28.9418, 97.5392**, and **13.1628, 5.8103, 44.6837** is the 20% darker color. If you saturate the color by 10%, you get **29.6333, 13.4596, 83.4745**, and if you desaturate by 10%, it is **31.6352, 14.9766, 83.6618**.

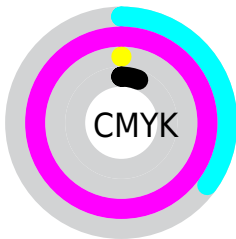
Distribution



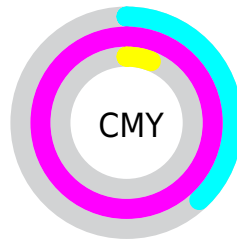
- Red (62%)
- Green (0%)
- Blue (94%)



- Red (62%)
- Yellow (0%)
- Blue (94%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (38%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6328, 13.4594, 83.4742 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 29.6328, 13.4594, 83.4742 by changing the saturation by 10% instead.


 29.6328, 13.4594,
83.4742


 29.6328, 13.4594,
83.4742


292.1297,
213.8413, 526.5779

 19.7067, 7.7456,
62.0385


 58.4716, 32.1267,
140.0946

 12.2891, 3.9326,
44.6279


 78.1151, 45.8490,
176.1164


 7.0145, 1.6359,
30.8236


 101.7283, 63.0096,
217.8373

 3.5176, 0.3817,
20.2072

 129.6768, 83.9930,
265.6759

 1.4330, 0.0000,
12.3602

 162.3258,
109.1834, 320.0508

 0.2796, 0.0000,
6.8640

 200.0408,

 0.0000, 0.0000,

138.9653, 381.3803

3.3000

243.1869,
173.7232, 450.0832

■ 0.0000, 0.0000,
1.2498

■ 0.0000, 0.0000,
0.0201

■ 29.6328, 13.4594,
83.4742

■ 29.6328, 13.4594,
83.4742

■ 29.6333, 13.4596,
83.4745

■ 31.6352, 14.9766,
83.6618

■ 34.1526, 17.3586,
83.9889

■ 37.3143, 20.8597,
84.4981

■ 41.1973, 25.6310,
85.2143

■ 45.8665, 31.7993,
86.1588

■ 51.3790, 39.4759,
87.3500

■ 57.7859, 48.7605,
88.8045

■ 65.1341, 59.7441,
90.5372

■ 73.4670, 72.5109,
92.5623

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.1013, 13.4594, 132.7401



29.6328, 13.4594, 83.4742



37.9622, 13.4594, 30.4959

Triad

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



29.6328, 13.4594, 83.4742



17.5277, 13.4594, 0.0000



2.3220, 13.4594, 32.6939

Complementary

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



29.6328, 13.4594, 83.4742



34.7275, 64.1594, 10.5538

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.



2.2827, 13.4594, 5.5457



29.6328, 13.4594, 83.4742



8.6391, 13.4594, 0.0000

Square

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



29.6328, 13.4594, 83.4742



29.0472, 13.4594, 0.0000



3.9671, 13.4594, 0.0000



4.1234, 13.4594, 86.5878

Rectangle

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



29.6328, 13.4594, 83.4742



38.8807, 13.4594, 10.2041



3.9671, 13.4594, 0.0000



2.1457, 13.4594, 20.2421

Sweetspot

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



29.6336, 13.4598, 83.4745



66.2380, 55.8433, 101.8955



18.8988, 12.6323, 83.8806



13.4853, 10.9401, 21.6508



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.



29.6336, 13.4598, 83.4745



33.9472, 15.4153, 95.7940



46.8345, 22.8851, 59.0761



15.8927, 15.7419, 19.9225



16.3704, 7.4446, 45.7020



1.4685, 0.6743, 3.8070

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.4967, 19.1499, 9.9037



43.0091, 21.9677, 11.2462



31.4787, 62.4478, 12.0638



15.9984, 15.8491, 17.5480



20.5825, 10.5054, 5.7182



1.7575, 0.8920, 0.7137

Previews

White Background



This preview shows how the XYZ color 29.6328, 13.4594, 83.4742 looks on a white background.

Color Contrast Check

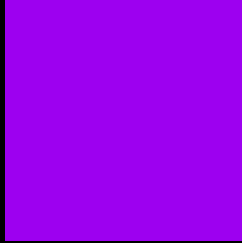
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.6328, 13.4594, 83.4742 looks on a black 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

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

XYZ 29.6328, 13.4594, 83.4742

Background



This preview shows how black text looks on a background with the XYZ color 29.6328, 13.4594, 83.4742.



This preview shows how white text looks on a background with the XYZ color 29.6328, 13.4594,

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

29.6328, 13.4594, 83.4742

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.8049, 13.9343, 46.7617



Tritanopia

15.7117, 13.7703, 14.1418

Trichromacy



Original Color

29.6328, 13.4594, 83.4742



Protanomaly

16.7056, 9.8106, 70.1204



Deuteranomaly

14.6535, 9.3637, 58.1618



Tritanomaly

18.0986, 11.0742, 30.8894

Monochromacy



Original Color

29.6328, 13.4594, 83.4742



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.0285, 6.6973, 23.2657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6328, 13.4594, 83.4742 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(157, 0, 240)` looks like.

```
.text, #text, p{  
  color:rgb(157, 0, 240)  
}
```

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(157, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 29.6328, 13.4594, 83.4742 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(157, 0, 240) }
```


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

```
.border{ border-color:rgb(157, 0, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(157, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(157, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6328, 13.4594, 83.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 240) }
```

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

```
.background{ background-color: rgb(157, 0,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor