

Converting Colors

XYZ(29.5708, 14.5060, 78.0541)

Have a look what the booklet for
XYZ(29.5708, 14.5060, 78.0541)
contains.

XYZ(29.6369, 14.5159, 78.3306)	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(29.6369, 14.5159,
78.3306)**

Conversions

Conversions Part 1

Format	Color
Hex	9F24E9
RGB	159, 36, 233
RGB Percent	62%, 14%, 91%
CMY	0.3765, 0.8588, 0.0863
CMYK	0.32, 0.85, 0.00, 0.09
HSL	277°, 82%, 53%
HSV	277°, 85%, 91%
XYZ	29.6369, 14.5159, 78.3306
YIQ	95.2350, 10.0710, 87.3430

Conversions

Conversions Part 2

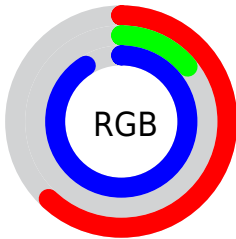
Format	Color
R _Y B	159, 36, 233
Decimal	10429673
CIE Lab	44.96, 76.28, -74.10
CIE LCh	45, 106.342, 315.831
Yxy	14.5159, 0.2420, 0.1185
Android (android.graphics.Color)	4288619753 (0xFF9F24E9)
YUV	95.2350, 67.9181, 55.9219
Hunter-Lab	38.0997, 72.1765, -95.2266

Details

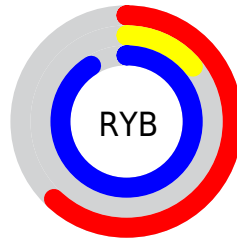
The XYZ color **29.6369, 14.5159, 78.3306** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **35.8880, 61.7205, 11.6911**, and the grayscale version is **10.7751, 11.3362, 12.3451**.

A 20% lighter version of the original color is **51.8206, 31.3944, 97.9362**, and **12.9821, 5.7872, 41.5071** is the 20% darker color. If you saturate the color by 10%, you get **27.4721, 12.6714, 78.0890**, and if you desaturate by 10%, it is **32.3840, 17.3404, 78.7313**.

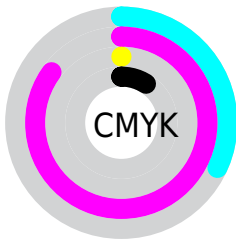
Distribution



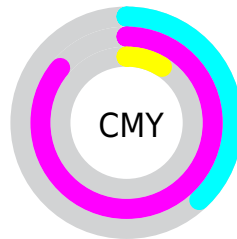
- Red (62%)
- Green (14%)
- Blue (91%)



- Red (62%)
- Yellow (14%)
- Blue (91%)



- Cyan (32%)
- Magenta (85%)
- Yellow (0%)
- Black (9%)





- Cyan (38%)
- Magenta (86%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6369, 14.5159, 78.3306 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 29.6369, 14.5159, 78.3306 by changing the saturation by 10% instead.


 29.6369, 14.5159,
78.3306


 29.6369, 14.5159,
78.3306


292.1486,
220.4171, 508.8465

 19.7098, 8.4803,
57.8275


 58.4781, 34.0017,
132.8062

 12.2913, 4.4038,
41.2562


 78.1229, 48.2206,
167.6158

 7.0160, 1.9019,
28.1981


 101.7377, 65.9362,
208.0313

 3.5185, 0.5495,
18.2347

 129.6878, 87.5328,
254.4712

 1.4335, 0.0000,
10.9475

 162.3386,
113.3948, 307.3542

 0.2799, 0.0000,
5.9178

 200.0554,

 0.0000, 0.0000,

143.9066, 367.0987

2.7272

243.2036,
179.4525, 434.1233

■ 0.0000, 0.0000,
0.9571

■ 0.0000, 0.0000,
0.0000

■ 29.6369, 14.5159,
78.3306

■ 29.6369, 14.5159,
78.3306

■ 27.4721, 12.6714,
78.0890

■ 32.3840, 17.3404,
78.7313

■ 26.4697, 11.9466,
78.0019

■ 35.7904, 21.2985,
79.3158

■ 39.9223, 26.5179,
80.1054

■ 44.8362, 33.1082,
81.1185

■ 50.5824, 41.1667,
82.3711

■ 57.2068, 50.7820,
83.8779

■ 64.7516, 62.0351,
85.6523

■ 73.2560, 75.0016,
87.7068

■ 82.7570, 89.7522,
90.0532

Harmonies

Analogous

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



18.8895, 14.5159, 121.4542



29.6369, 14.5159, 78.3306



37.2437, 14.5159, 30.6959

Triad

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



29.6369, 14.5159, 78.3306



18.3166, 14.5159, 0.0000



3.1419, 14.5159, 32.8365

Complementary

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



29.6369, 14.5159, 78.3306



35.8880, 61.7205, 11.6911

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.



3.0952, 14.5159, 6.7308



29.6369, 14.5159, 78.3306



9.7133, 14.5159, 0.0000

Square

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



29.6369, 14.5159, 78.3306



29.0685, 14.5159, 0.0871



4.9323, 14.5159, 0.2396



5.1074, 14.5159, 81.2264

Rectangle

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



29.6369, 14.5159, 78.3306



38.0696, 14.5159, 11.4153



4.9323, 14.5159, 0.2396



2.9417, 14.5159, 21.1973

Sweetspot

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



29.6377, 14.5164, 78.3310



69.7077, 61.5886, 102.8215



21.1769, 17.7407, 79.3993



14.2837, 12.2513, 21.8619



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.



29.6377, 14.5164, 78.3310



32.3908, 14.6130, 95.7211



45.8704, 23.2397, 63.0522



15.1348, 15.0148, 19.0227



15.1612, 6.8518, 44.2664



1.2966, 0.5927, 3.4809

Inverse Universe

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



37.0499, 19.7114, 16.6039



43.3414, 22.1006, 12.9959



30.6557, 58.9688, 13.9022



15.2995, 15.1477, 16.8624



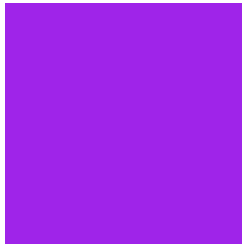
20.1114, 10.2472, 6.3879



1.6246, 0.8228, 0.7404

Previews

White Background



This preview shows how the XYZ color 29.6369, 14.5159, 78.3306 looks on a white background.

Color Contrast Check

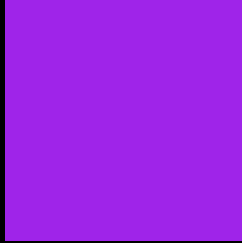
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6369, 14.5159, 78.3306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

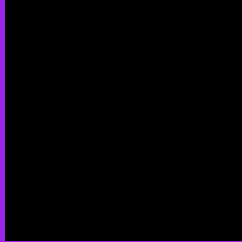
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6369, 14.5159, 78.3306

Background



This preview shows how black text looks on a background with the XYZ color 29.6369, 14.5159, 78.3306.



This preview shows how white text looks on a background with the XYZ color 29.6369, 14.5159,

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

29.6369, 14.5159, 78.3306

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

14.5457, 14.5681, 49.6222



Tritanopia

16.6937, 14.3979, 14.7312

Trichromacy



Original Color

29.6369, 14.5159, 78.3306



Protanomaly

17.8602, 11.8192, 71.1520



Deuteranomaly

15.6613, 11.2938, 58.4812



Tritanomaly

19.4554, 13.0289, 30.3436

Monochromacy



Original Color

29.6369, 14.5159, 78.3306



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

15.0308, 10.7934, 28.0792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6369, 14.5159, 78.3306 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(159, 36, 233)` looks like.

```
.text, #text, p{  
    color:rgb(159, 36, 233)  
}
```

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(159, 36, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 36, 233) }
```

Border

The CSS property to change the border of an element to XYZ 29.6369, 14.5159, 78.3306 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(159, 36, 233) }
```


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

```
.border{ border-color:rgb(159, 36, 233) }
```

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

Here you see how a box with a 4 pixel rgb(159, 36, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 36, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 36, 233);  
box-shadow:4px 4px 4px 4px rgb(159, 36,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6369, 14.5159, 78.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 36, 233) }
```

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

```
.background{ background-color: rgb(159, 36,  
233) }
```

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