

Converting Colors

XYZ(28.8064, 14.2211, 80.9638)

Have a look what the booklet for
XYZ(28.8064, 14.2211, 80.9638)
contains.

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Color

**XYZ(28.6616, 14.1530,
80.5781)**

Conversions

Conversions Part 1

Format	Color
Hex	9728EC
RGB	151, 40, 236
RGB Percent	59%, 16%, 93%
CMY	0.4078, 0.8431, 0.0745
CMYK	0.36, 0.83, 0.00, 0.07
HSL	274°, 84%, 54%
HSV	274°, 83%, 93%
XYZ	28.6616, 14.1530, 80.5781
YIQ	95.5330, 3.2400, 84.4880

Conversions

Conversions Part 2

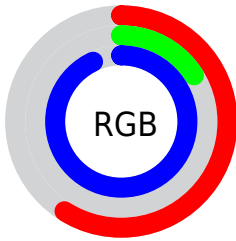
Format	Color
R_{YB}	151, 40, 236
Decimal	9906412
CIE Lab	44.45, 74.73, -76.68
CIE LCh	44, 107.067, 314.261
Yxy	14.1530, 0.2323, 0.1147
Android (android.graphics.Color)	4288096492 (0xFF9728EC)
YUV	95.5330, 69.2502, 48.6446
Hunter-Lab	37.6205, 70.1565, -100.6570

Details

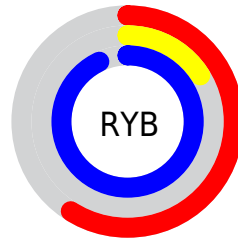
The XYZ color **28.6616, 14.1530, 80.5781** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **38.8357, 64.5042, 12.4112**, and the grayscale version is **10.8440, 11.4087, 12.4241**.

A 20% lighter version of the original color is **49.5676, 30.3762, 97.8584**, and **12.3531, 5.4283, 43.0445** is the 20% darker color. If you saturate the color by 10%, you get **26.2770, 12.0812, 80.3042**, and if you desaturate by 10%, it is **31.6973, 17.2799, 81.0220**.

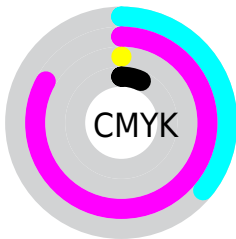
Distribution



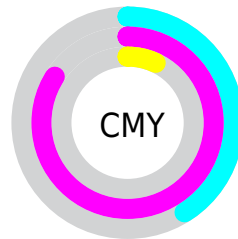
- Red (59%)
- Green (16%)
- Blue (93%)



- Red (59%)
- Yellow (16%)
- Blue (93%)



- Cyan (36%)
- Magenta (83%)
- Yellow (0%)
- Black (7%)





- Cyan (41%)
- Magenta (84%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6616, 14.1530, 80.5781 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 28.6616, 14.1530, 80.5781 by changing the saturation by 10% instead.


 28.6616, 14.1530,
80.5781


 28.6616, 14.1530,
80.5781


287.6380,
218.1806, 516.6370


 18.9680, 8.2272,
59.6652

 56.9403, 33.3603,
135.9969


 11.7510, 4.2406,
42.7253


 76.2561, 47.4105,
171.3400


 6.6454, 1.8091,
29.3399


 99.5099, 64.9376,
212.3302

 3.2857, 0.4928,
19.0903

 127.0672, 86.3260,
259.3860

 1.3066, 0.0000,
11.5581

 159.2933,
111.9601, 312.9261

 0.1881, 0.0000,
6.3246

 196.5536,

 0.0000, 0.0000,

142.2243, 373.3689

2.9715

239.2134,
177.5030, 441.1330

■ 0.0000, 0.0000,
1.0801

■ 0.0000, 0.0000,
0.0000

■ 28.6616, 14.1530,
80.5781

■ 28.6616, 14.1530,
80.5781

■ 26.2770, 12.0812,
80.3042

■ 31.6973, 17.2799,
81.0220

■ 24.9173, 11.0964,
80.1858

■ 35.4625, 21.6162,
81.6605

■ 40.0253, 27.2910,
82.5154

■ 45.4443, 34.4161,
83.6051

■ 51.7720, 43.0912,
84.9460

■ 59.0564, 53.4069,
86.5532

■ 67.3417, 65.4465,
88.4404

■ 76.6693, 79.2879,
90.6204

■ 87.0780, 95.0039,
93.1053

Harmonies

Analogous

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



17.9644, 14.1530, 122.4685



28.6616, 14.1530, 80.5781



36.5571, 14.1530, 32.2147

Triad

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



28.6616, 14.1530, 80.5781



18.4699, 14.1530, 0.0000



2.9313, 14.1530, 30.3195

Complementary

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



28.6616, 14.1530, 80.5781



38.8357, 64.5042, 12.4112

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.



2.9716, 14.1530, 5.7845



28.6616, 14.1530, 80.5781



9.7666, 14.1530, 0.0000

Square

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



28.6616, 14.1530, 80.5781



29.1651, 14.1530, 0.1339



4.8804, 14.1530, 0.0000



4.7282, 14.1530, 77.9979

Rectangle

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



28.6616, 14.1530, 80.5781



37.6900, 14.1530, 12.1439



4.8804, 14.1530, 0.0000



2.7661, 14.1530, 19.2153

Sweetspot

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



28.6624, 14.1534, 80.5785



68.5258, 60.9793, 102.7662



23.7609, 21.9980, 82.3510



14.0012, 12.1057, 21.8486



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.



28.6624, 14.1534, 80.5785



29.6246, 13.1869, 95.5917



49.1060, 24.8526, 74.3047



15.0476, 14.9698, 19.0186



13.8861, 6.1945, 44.2067



1.2004, 0.5431, 3.4764

Inverse Universe

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



39.0526, 20.8312, 21.3637



44.0863, 22.3985, 16.9185



31.4421, 60.6709, 13.0486



15.3367, 15.1625, 17.0584



20.4614, 10.3873, 8.2312



1.6542, 0.8346, 0.8963

Previews

White Background



This preview shows how the XYZ color 28.6616, 14.1530, 80.5781 looks on a white background.

Color Contrast Check

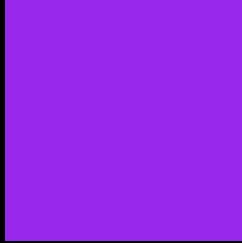
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6616, 14.1530, 80.5781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

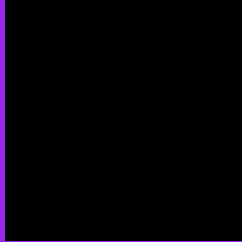
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6616, 14.1530, 80.5781

Background



This preview shows how black text looks on a background with the XYZ color 28.6616, 14.1530, 80.5781.



This preview shows how white text looks on a background with the XYZ color 28.6616, 14.1530,

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

28.6616, 14.1530, 80.5781

Protanopia

16.8890, 14.3578, 65.4995

Deuteranopia

14.1195, 14.2279, 47.9010



Tritanopia

15.3749, 14.1153, 15.2788

Trichromacy



Original Color

28.6616, 14.1530, 80.5781



Protanomaly

17.5563, 11.6781, 70.4360



Deuteranomaly

15.5679, 11.3584, 58.4986



Tritanomaly

18.2352, 12.6760, 31.6226

Monochromacy



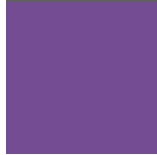
Original Color

28.6616, 14.1530, 80.5781



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

15.0534, 10.9885, 28.9314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6616, 14.1530, 80.5781 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(151, 40, 236)` looks like.

```
.text, #text, p{  
    color:rgb(151, 40, 236)  
}
```

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(151, 40, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 40, 236) }
```

Border

The CSS property to change the border of an element to XYZ 28.6616, 14.1530, 80.5781 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(151, 40, 236) }
```


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

```
.border{ border-color:rgb(151, 40, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 40, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 40, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 40, 236);  
box-shadow:4px 4px 4px 4px rgb(151, 40,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6616, 14.1530, 80.5781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 40, 236) }
```

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

```
.background{ background-color: rgb(151, 40,  
236) }
```

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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