

Converting Colors

XYZ(28.3917, 14.7929, 87.0175)

Have a look what the booklet for
XYZ(28.3917, 14.7929, 87.0175)
contains.

XYZ(28.3428, 14.7530, 86.9417)	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(28.3428, 14.7530,
86.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	8B37F4
RGB	139, 55, 244
RGB Percent	55%, 22%, 96%
CMY	0.4549, 0.7843, 0.0431
CMYK	0.43, 0.77, 0.00, 0.04
HSL	267°, 90%, 59%
HSV	267°, 77%, 96%
XYZ	28.3428, 14.7530, 86.9417
YIQ	101.6620, -10.6050, 76.5870

Conversions

Conversions Part 2

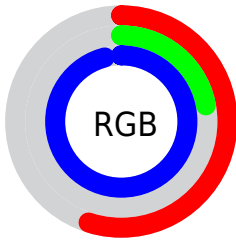
Format	Color
RYB	139, 55, 244
Decimal	9123828
CIELab	45.29, 69.85, -79.87
CIElCh	45, 106.100, 311.171
Yxy	14.7530, 0.2180, 0.1135
Android (android.graphics.Color)	4287313908 (0xFF8B37F4)
YUV	101.6620, 70.1726, 32.7454
Hunter-Lab	38.4096, 64.4998, -107.3185

Details

The XYZ color **28.3428, 14.7530, 86.9417** 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 **47.5367, 72.4506, 15.0933**, and the grayscale version is **12.3673, 13.0113, 14.1693**.

A 20% lighter version of the original color is **47.5539, 30.8682, 98.0595**, and **11.8434, 5.0817, 46.8110** is the 20% darker color. If you saturate the color by 10%, you get **25.3321, 11.8848, 86.5471**, and if you desaturate by 10%, it is **32.2080, 18.9111, 87.5409**.

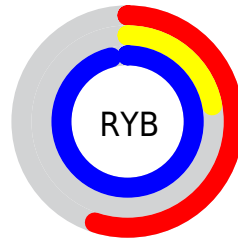
Distribution



Red (55%)

Green (22%)

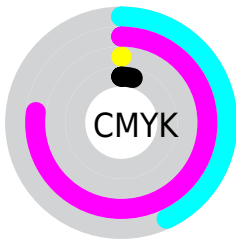
Blue (96%)



Red (55%)

Yellow (22%)

Blue (96%)

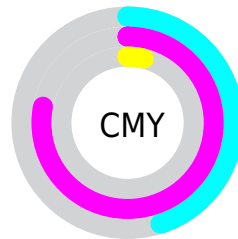


Cyan (43%)

Magenta (77%)

Yellow (0%)

Black (4%)



Cyan (45%)

Magenta (78%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3428, 14.7530, 86.9417 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 28.3428, 14.7530, 86.9417 by changing the saturation by 10% instead.

■ 28.3428, 14.7530,
86.9417

■ 28.3428, 14.7530,
86.9417

286.1518,
221.8663, 538.3425

■ 18.7260, 8.6462,
64.8876

■ 56.4361, 34.4193,
144.9810

■ 11.5753, 4.5112,
46.9192

■ 75.6433, 48.7476,
181.8033

■ 6.5253, 1.9634,
32.6179

■ 98.7780, 66.5852,
224.3855

■ 3.2107, 0.5861,
21.5652

■ 126.2056, 88.3164,
273.1460

■ 1.2662, 0.0000,
13.3425

■ 158.2914,
114.3258, 328.5034

■ 0.1577, 0.0000,
7.5313

195.4008,

■ 0.0000, 0.0000,

144.9976, 390.8763

3.7131

237.8992,
180.7163, 460.6831

■ 0.0000, 0.0000,
1.4693

■ 0.0000, 0.0000,
0.1949

■ 28.3428, 14.7530,
86.9417

■ 28.3428, 14.7530,
86.9417

■ 25.3321, 11.8848,
86.5471

■ 32.2080, 18.9111,
87.5409

■ 23.0652, 10.1041,
86.3229

■ 37.0093, 24.5115,
88.3689

■ 22.5685, 9.7482,
86.2804

■ 42.8201, 31.6859,
89.4474

■ 49.7047, 40.5504,
90.7956

57.7220, 51.2097,
92.4305

66.9258, 63.7597,
94.3677

77.3667, 78.2895,
96.6220

89.0918, 94.8825,
99.2068

93.3292, 99.3117,
99.8384

Harmonies

Analogous

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



17.5564, 14.7530, 125.6312



28.3428, 14.7530, 86.9417



36.8598, 14.7530, 37.2853

Triad

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



28.3428, 14.7530, 86.9417



20.2120, 14.7530, 0.0000



3.1208, 14.7530, 27.3782

Complementary

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



28.3428, 14.7530, 86.9417



47.5367, 72.4506, 15.0933

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.



3.3402, 14.7530, 4.9615



28.3428, 14.7530, 86.9417



10.9974, 14.7530, 0.0000

Square

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



28.3428, 14.7530, 86.9417



30.9707, 14.7530, 0.5766



5.5821, 14.7530, 0.0000



4.7624, 14.7530, 73.6026

Rectangle

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



28.3428, 14.7530, 86.9417



38.6018, 14.7530, 15.0951



5.5821, 14.7530, 0.0000



3.0060, 14.7530, 17.0725

Sweetspot

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



28.3436, 14.7534, 86.9421



68.1214, 62.4536, 103.0721



30.8427, 33.2199, 90.3748



13.8173, 12.3324, 21.9021



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.



28.3436, 14.7534, 86.9421



26.4689, 11.8776, 95.5053



50.7798, 26.3197, 87.9921



16.2803, 16.2872, 20.8282



12.4231, 5.3787, 46.9214



1.2081, 0.5327, 4.1294

Inverse Universe

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



45.0193, 24.5034, 35.6125



46.9263, 23.8767, 30.8185



35.3965, 66.1921, 14.5252



16.8845, 16.6367, 19.1385



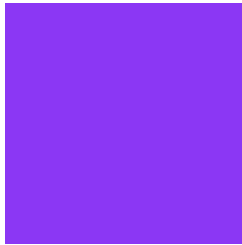
22.7551, 11.4455, 13.9505



2.0516, 1.0266, 1.4984

Previews

White Background



This preview shows how the XYZ color 28.3428, 14.7530, 86.9417 looks on a white background.

Color Contrast Check

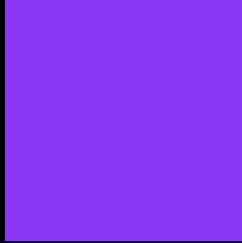
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3428, 14.7530, 86.9417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

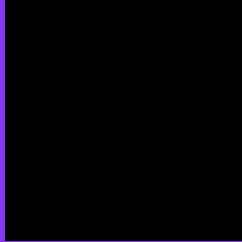
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.3428, 14.7530, 86.9417

Background



This preview shows how black text looks on a background with the XYZ color 28.3428, 14.7530, 86.9417.



This preview shows how white text looks on a background with the XYZ color 28.3428, 14.7530,

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

28.3428, 14.7530, 86.9417

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

14.3955, 14.5693, 17.9730

Trichromacy



Original Color

28.3428, 14.7530, 86.9417



Protanomaly

18.5582, 12.9054, 74.1859



Deuteranomaly

16.4066, 12.5702, 61.2361



Tritanomaly

17.5869, 13.3827, 35.3744

Monochromacy



Original Color

28.3428, 14.7530, 86.9417



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

16.1515, 12.4749, 32.1285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3428, 14.7530, 86.9417 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(139, 55, 244)` looks like.

```
.text, #text, p{  
    color:rgb(139, 55, 244)  
}
```

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(139, 55, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 55, 244) }
```

Border

The CSS property to change the border of an element to XYZ 28.3428, 14.7530, 86.9417 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(139, 55, 244) }
```


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

```
.border{ border-color:rgb(139, 55, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 55, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 55, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 55, 244);  
box-shadow:4px 4px 4px 4px rgb(139, 55,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3428, 14.7530, 86.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 55, 244) }
```

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

```
.background{ background-color: rgb(139, 55,  
244) }
```

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