

Converting Colors

XYZ(28.8669, 12.7964, 95.5562)

Have a look what the booklet for
XYZ(28.8669, 12.7964, 95.5562)
contains.

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Color

**XYZ(28.8652, 12.7954,
95.5561)**

Conversions

Conversions Part 1

Format	Color
Hex	8C00FF
RGB	140, 0, 255
RGB Percent	55%, 0%, 100%
CMY	0.4510, 1.0000, 0.0000
CMYK	0.45, 1.00, 0.00, 0.00
HSL	273°, 100%, 50%
HSV	273°, 100%, 100%
XYZ	28.8652, 12.7954, 95.5561
YIQ	70.9300, 1.5850, 108.9850

Conversions

Conversions Part 2

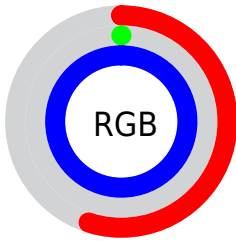
Format	Color
R_{YB}	140, 0, 255
Decimal	9175295
CIE _{Lab}	42.45, 84.13, -90.70
CIE _{LCh}	42, 123.712, 312.848
Yxy	12.7954, 0.2104, 0.0932
Android (android.graphics.Color)	4287365375 (0xFF8C00FF)
YUV	70.9300, 90.7465, 60.5744
Hunter-Lab	35.7707, 81.4423, -133.3451

Details

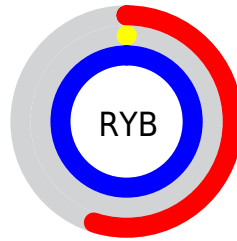
The XYZ color **28.8652, 12.7954, 95.5561** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **42.8295, 75.1645, 12.2508**, and the grayscale version is **5.8300, 6.1336, 6.6795**.

A 20% lighter version of the original color is **45.9271, 26.4135, 97.2854**, and **12.8257, 5.4477, 53.1988** is the 20% darker color. If you saturate the color by 10%, you get **28.8661, 12.7959, 95.5562**, and if you desaturate by 10%, it is **31.2648, 14.5645, 95.7711**.

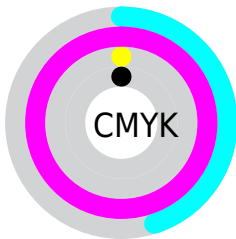
Distribution



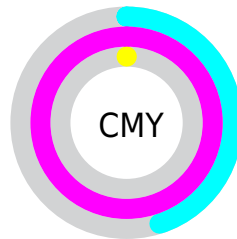
- Red (55%)
- Green (0%)
- Blue (100%)



- Red (55%)
- Yellow (0%)
- Blue (100%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8652, 12.7954, 95.5561 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 28.8652, 12.7954, 95.5561 by changing the saturation by 10% instead.


 28.8652, 12.7954,
95.5561

 28.8652, 12.7954,
95.5561


288.5841,
209.6022, 566.9735


 19.1226, 7.2878,
71.9985


 57.2619, 30.9357,
157.0348


 11.8635, 3.6427,
52.6706


 76.6467, 44.3372,
195.7930


 6.7223, 1.4758,
37.1539


 99.9764, 61.1389,
240.4551

 3.3338, 0.2716,
25.0300

 127.6162, 81.7250,
291.4397

 1.3327, 0.0000,
15.8802

 159.9315,
106.4800, 349.1653

 0.2075, 0.0000,
9.2860

 197.2877,

 0.0000, 0.0000,

135.7882, 414.0504

4.8288

240.0501,
170.0342, 486.5136

■ 0.0000, 0.0000,
2.0902

■ 0.0000, 0.0000,
0.6099

■ 28.8652, 12.7954,
95.5561

■ 28.8652, 12.7954,
95.5561

■ 28.8661, 12.7959,
95.5562

■ 31.2648, 14.5645,
95.7711

■ 34.3389, 17.3746,
96.1515

■ 38.2370, 21.5147,
96.7452

■ 43.0518, 27.1622,
97.5815

■ 48.8619, 34.4665,
98.6851

■ 55.7363, 43.5581,
100.0777

■ 63.7373, 54.5542,
101.7784

■ 72.9219, 67.5617,
103.8051

■ 83.3430, 82.6796,
106.1738

Harmonies

Analogous

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



16.5959, 12.7954, 147.7003



28.8652, 12.7954, 95.5561



38.5665, 12.7954, 35.2011

Triad

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



28.8652, 12.7954, 95.5561



18.2468, 12.7954, 0.0000



1.7227, 12.7954, 28.7377

Complementary

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



28.8652, 12.7954, 95.5561



42.8295, 75.1645, 12.2508

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.



1.8191, 12.7954, 3.6179



28.8652, 12.7954, 95.5561



8.5973, 12.7954, 0.0000

Square

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



28.8652, 12.7954, 95.5561



30.5914, 12.7954, 0.0000



3.5941, 12.7954, 0.0000



3.1882, 12.7954, 86.0533

Rectangle

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



28.8652, 12.7954, 95.5561



40.2628, 12.7954, 11.5353



3.5941, 12.7954, 0.0000



1.6094, 12.7954, 16.6396

Sweetspot

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



28.8661, 12.7959, 95.5562



63.7373, 54.5542, 101.7784



24.6468, 20.4137, 97.2489



12.8902, 10.6333, 21.6230



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.



28.8661, 12.7959, 95.5562



57.9514, 27.9446, 89.9312



17.9564, 17.8693, 22.7527



15.2577, 6.7761, 49.9383



1.6115, 0.7247, 4.8682

Inverse Universe

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



44.3342, 22.4977, 18.2239



35.8066, 71.5386, 12.1652



18.3499, 18.1233, 20.4597



23.2384, 11.7847, 9.9060



2.3168, 1.1691, 1.2497

Previews

White Background



This preview shows how the XYZ color 28.8652, 12.7954, 95.5561 looks on a white background.

Color Contrast Check

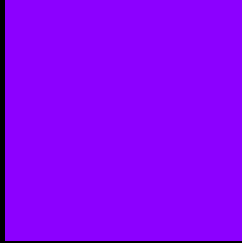
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8652, 12.7954, 95.5561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

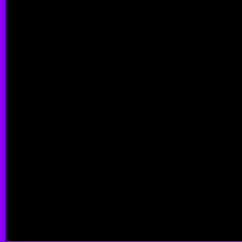
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8652, 12.7954, 95.5561

Background



This preview shows how black text looks on a background with the XYZ color 28.8652, 12.7954, 95.5561.



This preview shows how white text looks on a background with the XYZ color 28.8652, 12.7954,

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

28.8652, 12.7954, 95.5561

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

12.8246, 12.9283, 15.7294

Trichromacy



Original Color

28.8652, 12.7954, 95.5561



Protanomaly

16.5424, 9.5309, 71.4888



Deuteranomaly

14.3329, 9.0080, 58.7409



Tritanomaly

15.5466, 9.9101, 34.8117

Monochromacy



Original Color

28.8652, 12.7954, 95.5561



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

10.3497, 6.1985, 24.6957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8652, 12.7954, 95.5561 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(140, 0, 255)` looks like.

```
.text, #text, p{  
  color:rgb(140, 0, 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(140, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.8652, 12.7954, 95.5561 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(140, 0, 255) }
```

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

```
.border{ border-color:rgb(140, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8652, 12.7954, 95.5561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 255) }
```

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

```
.background{ background-color: rgb(140, 0,  
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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