

Converting Colors

XYZ(28.7466, 13.7057, 95.7381)

Have a look what the booklet for
XYZ(28.7466, 13.7057, 95.7381)
contains.

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Color

**XYZ(28.7032, 13.6940,
95.7381)**

Conversions

Conversions Part 1

Format	Color
Hex	8725FF
RGB	135, 37, 255
RGB Percent	53%, 15%, 100%
CMY	0.4706, 0.8549, 0.0000
CMYK	0.47, 0.85, 0.00, 0.00
HSL	267°, 100%, 57%
HSV	267°, 85%, 100%
XYZ	28.7032, 13.6940, 95.7381
YIQ	91.1540, -11.5700, 88.5740

Conversions

Conversions Part 2

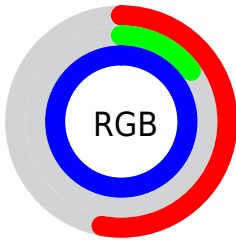
Format	Color
R _{YB}	135, 37, 255
Decimal	8857087
CIE Lab	43.79, 77.74, -88.52
CIE LCh	44, 117.805, 311.290
Yxy	13.6940, 0.2078, 0.0991
Android (android.graphics.Color)	4287047167 (0xFF8725FF)
YUV	91.1540, 80.7761, 38.4529
Hunter-Lab	37.0054, 73.6939, -127.4876

Details

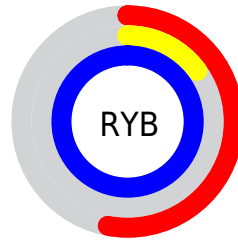
The XYZ color **28.7032, 13.6940, 95.7381** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **49.9970, 78.8209, 14.3289**, and the grayscale version is **9.8035, 10.3141, 11.2320**.

A 20% lighter version of the original color is **45.7064, 27.9611, 97.5958**, and **12.3928, 5.2245, 53.1786** is the 20% darker color. If you saturate the color by 10%, you get **26.0563, 11.5337, 95.4606**, and if you desaturate by 10%, it is **32.2017, 17.1130, 96.2137**.

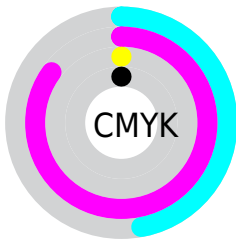
Distribution



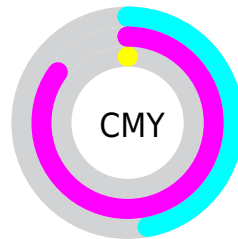
- Red (53%)
- Green (15%)
- Blue (100%)



- Red (53%)
- Yellow (15%)
- Blue (100%)



- Cyan (47%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7032, 13.6940, 95.7381 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 28.7032, 13.6940, 95.7381 by changing the saturation by 10% instead.

 28.7032, 13.6940,
95.7381


 28.7032, 13.6940,
95.7381


287.8315,
215.3188, 567.5698


 18.9996, 7.9081,
72.1492


 57.0060, 32.5451,
157.2883

 11.7740, 4.0362,
52.7930


 76.3359, 46.3791,
196.0866

 6.6611, 1.6938,
37.2509


 99.6053, 63.6646,
240.7918

 3.2955, 0.4197,
25.1045

 127.1795, 84.7861,
291.8224

 1.3119, 0.0000,
15.9352

 159.4238,
110.1278, 349.5970

 0.1921, 0.0000,
9.3245

 196.7037,

 0.0000, 0.0000,

140.0743, 414.5340

4.8537

239.3845,
175.0098, 487.0521

■ 0.0000, 0.0000,
2.1045

■ 0.0000, 0.0000,
0.6184

■ 28.7032, 13.6940,
95.7381

■ 28.7032, 13.6940,
95.7381

■ 26.0563, 11.5337,
95.4606

■ 32.2017, 17.1130,
96.2137

■ 25.0731, 10.8405,
95.3787

■ 36.6596, 21.9937,
96.9208

■ 42.1680, 28.5020,
97.8867

■ 48.8056, 36.7802,
99.1347

■ 56.6425, 46.9548,
100.6855

■ 65.7428, 59.1402,
102.5579

■ 76.1655, 73.4415,
104.7690

■ 87.9656, 89.9565,
107.3348

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



16.8320, 13.6940, 142.1994



28.7032, 13.6940, 95.7381



38.2966, 13.6940, 38.0535

Triad

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



28.7032, 13.6940, 95.7381



19.6219, 13.6940, 0.0000



2.1861, 13.6940, 27.3235

Complementary

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



28.7032, 13.6940, 95.7381



49.9970, 78.8209, 14.3289

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.



2.3732, 13.6940, 3.7894



28.7032, 13.6940, 95.7381



9.8249, 13.6940, 0.0000

Square

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



28.7032, 13.6940, 95.7381



31.5605, 13.6940, 0.0000



4.4333, 13.6940, 0.0000



3.6834, 13.6940, 80.4698

Rectangle

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



28.7032, 13.6940, 95.7381



40.2567, 13.6940, 13.7892



4.4333, 13.6940, 0.0000



2.0840, 13.6940, 16.0909

Sweetspot

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



28.7040, 13.6943, 95.7381



65.2483, 58.4699, 102.4546



31.4761, 32.9398, 99.3068



13.2646, 11.5692, 21.7839



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.



28.7040, 13.6943, 95.7381



25.0731, 10.8405, 95.3787



54.8053, 27.1500, 96.9597



17.7785, 17.7775, 22.7443



13.2675, 5.7501, 49.8452



1.4155, 0.6236, 4.8590

Inverse Universe

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



47.9866, 25.0170, 34.1944



46.0002, 23.1641, 26.9967



37.4860, 72.3712, 13.7434



18.4278, 18.1544, 20.8700



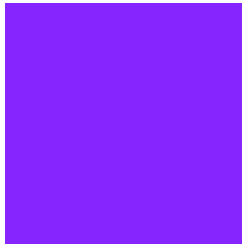
24.1125, 12.1343, 14.5086



2.4028, 1.2035, 1.7028

Previews

White Background



This preview shows how the XYZ color 28.7032, 13.6940, 95.7381 looks on a white background.

Color Contrast Check

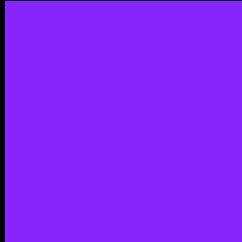
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7032, 13.6940, 95.7381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

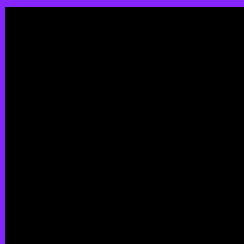
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7032, 13.6940, 95.7381

Background



This preview shows how black text looks on a background with the XYZ color 28.7032, 13.6940, 95.7381.



This preview shows how white text looks on a background with the XYZ color 28.7032, 13.6940,

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

28.7032, 13.6940, 95.7381

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.3923, 13.6034, 45.0999



Tritanopia

12.9119, 13.6672, 17.2867

Trichromacy



Original Color

28.7032, 13.6940, 95.7381



Protanomaly

17.6480, 11.4517, 73.2318



Deuteranomaly

15.4715, 11.0428, 60.3475



Tritanomaly

16.1250, 11.7972, 36.5492

Monochromacy



Original Color

28.7032, 13.6940, 95.7381



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

13.9026, 9.8666, 30.4499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7032, 13.6940, 95.7381 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(135, 37, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 37, 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(135, 37, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 37, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.7032, 13.6940, 95.7381 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(135, 37, 255) }
```


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

```
.border{ border-color:rgb(135, 37, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 37, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 37, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 37, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 37,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7032, 13.6940, 95.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 37, 255) }
```

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

```
.background{ background-color: rgb(135, 37,  
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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