

Converting Colors

XYZ(13.7429, 6.2359, 28.0230)

Have a look what the booklet for
XYZ(13.7429, 6.2359, 28.0230)
contains.

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Color

**XYZ(13.8706, 6.5422,
28.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	7E0093
RGB	126, 0, 147
RGB Percent	49%, 0%, 58%
CMY	0.5059, 1.0000, 0.4235
CMYK	0.14, 1.00, 0.00, 0.42
HSL	291°, 100%, 29%
HSV	291°, 100%, 58%
XYZ	13.8706, 6.5422, 28.1355
YIQ	54.4320, 27.9090, 72.4290

Conversions

Conversions Part 2

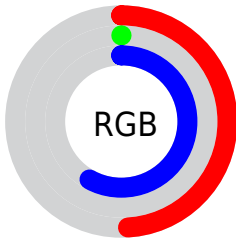
Format	Color
R_{YB}	126, 0, 147
Decimal	8257683
CIE _{Lab}	30.74, 61.77, -46.80
CIE _{LCh}	31, 77.498, 322.852
Yxy	6.5422, 0.2857, 0.1348
Android (android.graphics.Color)	4286447763 (0xFF7E0093)
YUV	54.4320, 45.6360, 62.7651
Hunter-Lab	25.5777, 52.0381, -47.3146

Details

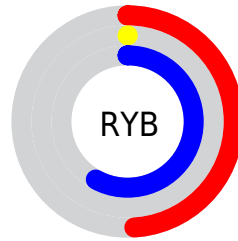
The XYZ color **13.8706, 6.5422, 28.1355** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.7432, 21.0271, 3.4926**, and the grayscale version is **3.5033, 3.6857, 4.0138**.

A 20% lighter version of the original color is **32.5717, 19.0966, 57.8464**, and **4.6641, 2.1658, 10.9987** is the 20% darker color. If you saturate the color by 10%, you get **13.8706, 6.5422, 28.1356**, and if you desaturate by 10%, it is **14.3505, 7.0371, 28.2058**.

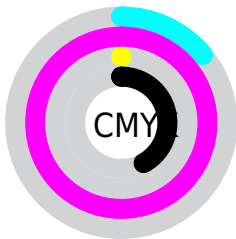
Distribution



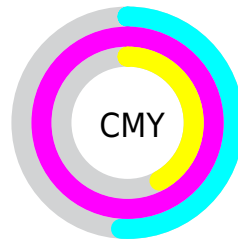
- Red (49%)
- Green (0%)
- Blue (58%)



- Red (49%)
- Yellow (0%)
- Blue (58%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



- Cyan (51%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8706, 6.5422, 28.1355 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 13.8706, 6.5422, 28.1355 by changing the saturation by 10% instead.

■ 13.8706, 6.5422,
28.1355

■ 13.8706, 6.5422,
28.1355

209.9511,
163.8037, 307.0461

■ 8.1118, 3.1775,
18.1879

■ 32.4474, 19.0461,
57.7264

■ 4.2190, 1.2251,
10.9141

■ 45.9962, 28.9541,
78.2068

■ 1.8268, 0.0820,
5.8957

■ 62.8723, 41.8120,
103.0352

■ 0.5337, 0.0000,
2.7140

■ 83.4412, 58.0042,
132.6301


■ 0.0000, 0.0000,
0.9505

■ 108.0682, 77.9151,
167.4101

■ 0.0000, 0.0000,
0.0000

■ 137.1186,

101.9290, 207.7938

 170.9578,
130.4304, 254.1996

 13.8706, 6.5422,
28.1355


 13.8706, 6.5422,
28.1355


 13.8706, 6.5422,
28.1356

 14.3505, 7.0371,
28.2058

 14.9527, 7.7672,
28.3150

 15.7341, 8.8459,
28.4820

 16.7162, 10.3162,
28.7141

 17.9175, 12.2151,
29.0173

■ 19.3544, 14.5751,
29.3971

■ 21.0414, 17.4255,
29.8584

■ 22.9923, 20.7934,
30.4056

■ 25.2194, 24.7038,
31.0430

Harmonies

Analogous

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



9.4418, 6.5422, 47.8007



13.8706, 6.5422, 28.1355



16.4013, 6.5422, 9.9989

Triad

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



13.8706, 6.5422, 28.1355



7.1545, 6.5422, 0.0000



1.6727, 6.5422, 18.4556

Complementary

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



13.8706, 6.5422, 28.1355



10.7432, 21.0271, 3.4926

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.



1.4700, 6.5422, 4.8599



13.8706, 6.5422, 28.1355



3.8271, 6.5422, 0.0000

Square

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



13.8706, 6.5422, 28.1355



11.6360, 6.5422, 0.0000



2.0730, 6.5422, 0.4336



2.8135, 6.5422, 39.2676

Rectangle

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



13.8706, 6.5422, 28.1355



16.1658, 6.5422, 3.4603



2.0730, 6.5422, 0.4336



1.5179, 6.5422, 12.7418

Sweetspot

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



13.8709, 6.5425, 28.1356



37.4805, 30.8621, 53.4161



5.5546, 2.6827, 27.8289



8.2818, 6.5792, 12.1182



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8709, 6.5425, 28.1356



24.7265, 11.6574, 50.3815



14.1236, 7.0396, 11.5732



5.9547, 5.8677, 7.2885



12.0408, 5.6798, 24.3927



0.1653, 0.0788, 0.2994

Inverse Universe

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



12.1682, 6.2574, 1.2763



21.7504, 11.1894, 2.0700



11.0415, 21.1106, 6.6777



5.8326, 5.8281, 6.2244



10.5550, 5.4271, 1.1378



0.1357, 0.0690, 0.0480

Previews

White Background



This preview shows how the XYZ color 13.8706, 6.5422, 28.1355 looks on a white background.

Color Contrast Check

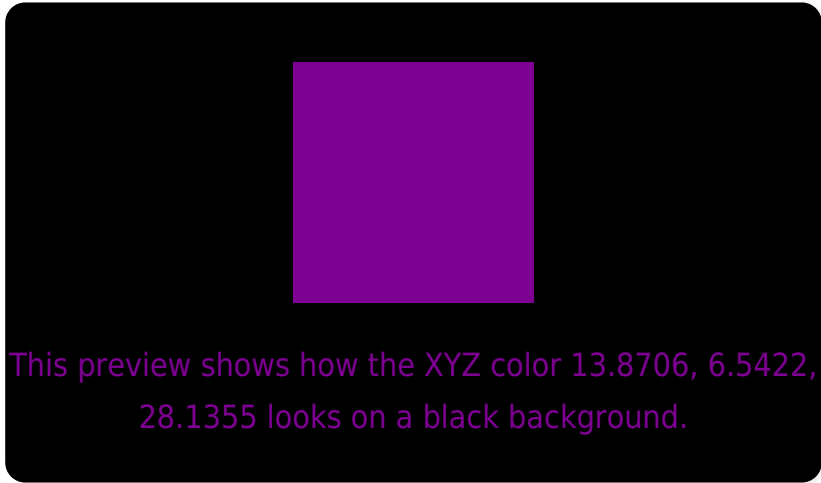
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

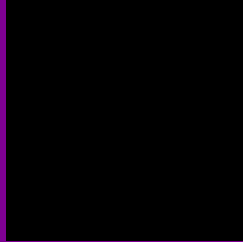
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8706, 6.5422, 28.1355

Background



This preview shows how black text looks on a background with the XYZ color 13.8706, 6.5422, 28.1355.



This preview shows how white text looks on a background with the XYZ color 13.8706, 6.5422,

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

13.8706, 6.5422, 28.1355

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

7.0978, 7.0853, 24.2861



Tritanopia

9.4528, 7.0188, 5.4140

Trichromacy



Original Color

13.8706, 6.5422, 28.1355

Protanomaly

7.6896, 4.7692, 29.7934

Deuteranomaly

6.9587, 4.6709, 25.3458

Tritanomaly

10.2451, 6.0354, 10.9809

Monochromacy



Original Color

13.8706, 6.5422, 28.1355

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.6417, 3.5541, 9.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8706, 6.5422, 28.1355 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(126, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(126, 0, 147)  
}
```

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(126, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 13.8706, 6.5422, 28.1355 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(126, 0, 147) }
```


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

```
.border{ border-color:rgb(126, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(126, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(126, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8706, 6.5422, 28.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 0, 147) }
```

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

```
.background{ background-color: rgb(126, 0,  
147) }
```

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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