

Converting Colors

XYZ(13.8050, 6.5002, 28.5025)

Have a look what the booklet for
XYZ(13.8050, 6.5002, 28.5025)
contains.

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Color

**XYZ(13.8027, 6.4981,
28.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	7D0094
RGB	125, 0, 148
RGB Percent	49%, 0%, 58%
CMY	0.5098, 1.0000, 0.4196
CMYK	0.16, 1.00, 0.00, 0.42
HSL	291°, 100%, 29%
HSV	291°, 100%, 58%
XYZ	13.8027, 6.4981, 28.5437
YIQ	54.2470, 26.9920, 72.5280

Conversions

Conversions Part 2

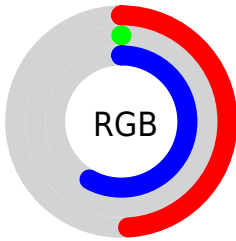
Format	Color
R_{YB}	125, 0, 148
Decimal	8192148
CIE _{Lab}	30.64, 61.80, -47.59
CIE _{LCh}	31, 77.999, 322.397
Yxy	6.4981, 0.2826, 0.1330
Android (android.graphics.Color)	4286382228 (0xFF7D0094)
YUV	54.2470, 46.2202, 62.0504
Hunter-Lab	25.4914, 52.0417, -48.5454

Details

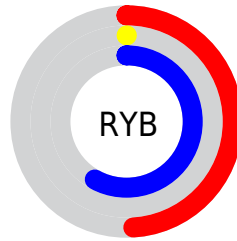
The XYZ color **13.8027, 6.4981, 28.5437** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.9435, 21.3621, 3.5468**, and the grayscale version is **3.4799, 3.6611, 3.9869**.

A 20% lighter version of the original color is **32.4534, 19.0220, 58.4610**, and **4.6371, 2.1466, 11.2363** is the 20% darker color. If you saturate the color by 10%, you get **13.8027, 6.4981, 28.5438**, and if you desaturate by 10%, it is **14.3108, 7.0096, 28.6158**.

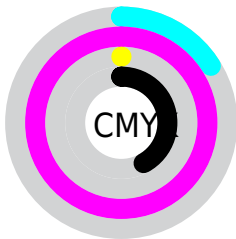
Distribution



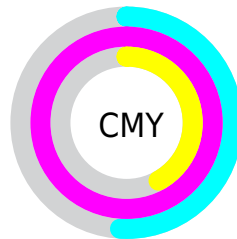
- Red (49%)
- Green (0%)
- Blue (58%)



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



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8027, 6.4981, 28.5437 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 13.8027, 6.4981, 28.5437 by changing the saturation by 10% instead.

13.8027, 6.4981,
28.5437

13.8027, 6.4981,
28.5437

209.5352,
163.4257, 309.0492

8.0644, 3.1503,
18.4933

32.3277, 18.9562,
58.3848

4.1883, 1.2107,
11.1316

45.8451, 28.8352,
79.0127

1.8092, 0.0704,
6.0402

62.6863, 41.6600,
104.0034

0.5232, 0.0000,
2.8003

83.2165, 57.8151,
133.7755


0.0000, 0.0000,
0.9936


107.8011, 77.6848,
168.7476

0.0000, 0.0000,
0.0000


136.8055,


101.6535, 209.3382

 170.5951,
130.1057, 255.9659


 13.8027, 6.4981,
28.5437


 13.8027, 6.4981,
28.5437


 13.8027, 6.4981,
28.5438

 14.3108, 7.0096,
28.6158

 14.9446, 7.7613,
28.7275

 15.7616, 8.8677,
28.8979

 16.7836, 10.3724,
29.1345

 18.0296, 12.3132,
29.4434

■ 19.5161, 14.7230,
29.8302

■ 21.2581, 17.6318,
30.2999

■ 23.2693, 21.0670,
30.8569

■ 25.5625, 25.0541,
31.5057

Harmonies

Analogous

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



9.3406, 6.4981, 48.2914



13.8027, 6.4981, 28.5437



16.3949, 6.4981, 10.1643

Triad

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



13.8027, 6.4981, 28.5437



7.1772, 6.4981, 0.0000



1.6285, 6.4981, 18.1776

Complementary

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



13.8027, 6.4981, 28.5437



10.9435, 21.3621, 3.5468

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.



1.4394, 6.4981, 4.6857



13.8027, 6.4981, 28.5437



3.8219, 6.4981, 0.0000

Square

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



13.8027, 6.4981, 28.5437



11.6839, 6.4981, 0.0000



2.0519, 6.4981, 0.3654



2.7460, 6.4981, 39.1370

Rectangle

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



13.8027, 6.4981, 28.5437



16.1955, 6.4981, 3.5116



2.0519, 6.4981, 0.3654



1.4793, 6.4981, 12.4802

Sweetspot

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



13.8030, 6.4984, 28.5438



37.3096, 30.7740, 53.4081



5.6861, 2.8196, 28.2616



8.2382, 6.5567, 12.1162



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.



13.8030, 6.4984, 28.5438



24.2361, 11.4047, 50.3585



14.4492, 7.1906, 12.3481



5.9477, 5.8640, 7.2881



11.8082, 5.5599, 24.3818



0.1637, 0.0779, 0.2993

Inverse Universe

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



12.3676, 6.3580, 1.3864



21.7796, 11.2011, 2.2239



11.1516, 21.4045, 6.4871



5.8354, 5.8292, 6.2392



10.5708, 5.4334, 1.2207



0.1364, 0.0693, 0.0517

Previews

White Background



This preview shows how the XYZ color 13.8027, 6.4981, 28.5437 looks on a white background.

Color Contrast Check

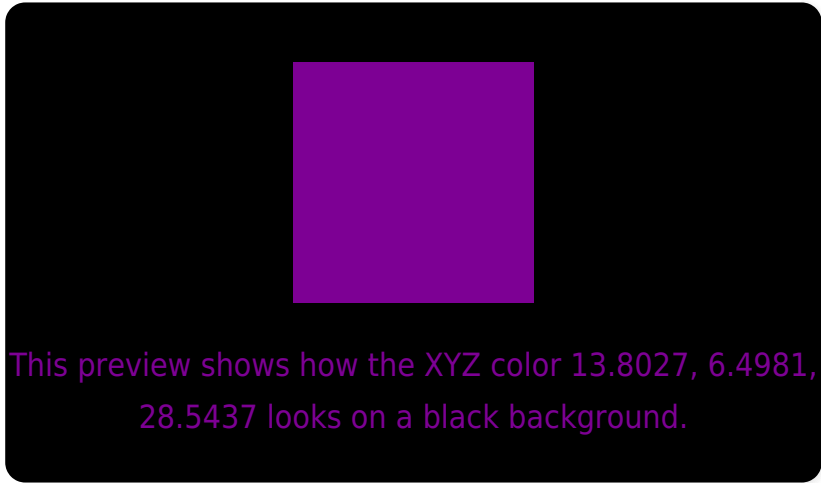
Large Text (above 18pt) WCAG AA ✓ Pass

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

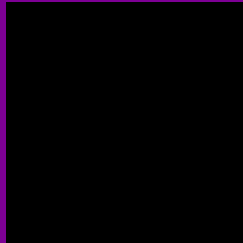
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8027, 6.4981, 28.5437

Background



This preview shows how black text looks on a background with the XYZ color 13.8027, 6.4981, 28.5437.



This preview shows how white text looks on a background with the XYZ color 13.8027, 6.4981, 28.5437.

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

13.8027, 6.4981, 28.5437

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

7.0271, 7.0570, 23.9134



Tritanopia

9.3220, 6.9513, 5.4078

Trichromacy



Original Color

13.8027, 6.4981, 28.5437

Protanomaly

7.6451, 4.7462, 29.7913

Deuteranomaly

6.9141, 4.6480, 25.3437

Tritanomaly

10.1086, 5.9650, 10.9745

Monochromacy



Original Color

13.8027, 6.4981, 28.5437

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 13.8027, 6.4981, 28.5437 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(125, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 148)  
}
```

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(125, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.8027, 6.4981, 28.5437 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(125, 0, 148) }
```


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

```
.border{ border-color:rgb(125, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8027, 6.4981, 28.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 148) }
```

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

```
.background{ background-color: rgb(125, 0,  
148) }
```

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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