

Converting Colors

XYZ(13.8376, 6.6515, 22.6042)

Have a look what the booklet for
XYZ(13.8376, 6.6515, 22.6042)
contains.

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Color

**XYZ(13.9065, 6.6800,
22.7467)**

Conversions

Conversions Part 1

Format	Color
Hex	850085
RGB	133, 0, 133
RGB Percent	52%, 0%, 52%
CMY	0.4784, 1.0000, 0.4784
CMYK	0.00, 1.00, 0.00, 0.48
HSL	300°, 100%, 26%
HSV	300°, 100%, 52%
XYZ	13.9065, 6.6800, 22.7467
YIQ	54.9290, 36.5750, 69.5590

Conversions

Conversions Part 2

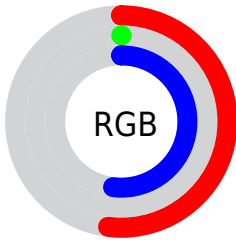
Format	Color
R_{YB}	133, 0, 133
Decimal	8716421
CIE _{Lab}	31.07, 60.59, -37.52
CIE _{LCh}	31, 71.271, 328.233
Yxy	6.6800, 0.3209, 0.1542
Android (android.graphics.Color)	4286906501 (0xFF850085)
YUV	54.9290, 38.4890, 68.4683
Hunter-Lab	25.8457, 50.8135, -34.0889

Details

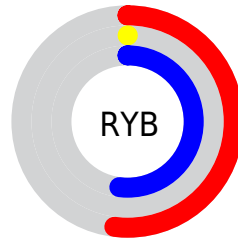
The XYZ color **13.9065, 6.6800, 22.7467** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **8.3878, 16.7754, 2.7962**, and the grayscale version is **3.5731, 3.7592, 4.0937**.

A 20% lighter version of the original color is **32.6536, 19.4326, 49.0435**, and **4.7858, 2.2868, 8.3728** is the 20% darker color. If you saturate the color by 10%, you get **13.9067, 6.6801, 22.7468**, and if you desaturate by 10%, it is **14.0546, 6.9759, 22.7961**.

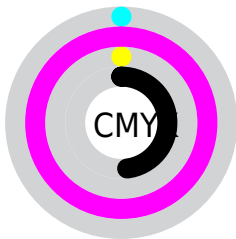
Distribution



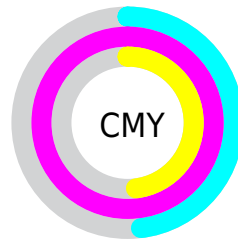
- Red (52%)
- Green (0%)
- Blue (52%)



- Red (52%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9065, 6.6800, 22.7467 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 13.9065, 6.6800, 22.7467 by changing the saturation by 10% instead.

■ 13.9065, 6.6800,
22.7467

■ 13.9065, 6.6800,
22.7467

210.1707,
164.9776, 279.5009

■ 8.1369, 3.2628,
14.2030

■ 32.5107, 19.3265,
48.8950

■ 4.2352, 1.2704,
8.1217

■ 46.0760, 29.3246,
67.3367

■ 1.8361, 0.1181,
4.0840

■ 62.9706, 42.2851,
89.9148

■ 0.5393, 0.0000,
1.6715

■ 83.5599, 58.5924,
117.0479

■ 0.0000, 0.0000,
0.3411

■ 108.2092, 78.6309,
149.1546

■ 0.0000, 0.0000,
0.0000

■ 137.2838,

102.7850, 186.6533

171.1492,
131.4391, 229.9625

13.9065, 6.6800,
22.7467

13.9065, 6.6800,
22.7467

13.9067, 6.6801,
22.7468

14.0546, 6.9759,
22.7961

14.2897, 7.4462,
22.8745

14.6625, 8.1917,
22.9988

15.1894, 9.2456,
23.1745

15.8849, 10.6365,
23.4063

■ 16.7615, 12.3898,
23.6986

■ 17.8308, 14.5284,
24.0550

■ 19.1032, 17.0732,
24.4792

■ 20.5885, 20.0437,
24.9743

Harmonies

Analogous

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



10.0697, 6.6800, 40.5915



13.9065, 6.6800, 22.7467



15.6608, 6.6800, 7.8806

Triad

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



13.9065, 6.6800, 22.7467



6.5578, 6.6800, 0.0000



2.0902, 6.6800, 20.6268

Complementary

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



13.9065, 6.6800, 22.7467



8.3878, 16.7754, 2.7962

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.



1.7345, 6.6800, 6.6982



13.9065, 6.6800, 22.7467



3.6806, 6.6800, 0.0000

Square

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



13.9065, 6.6800, 22.7467



10.5637, 6.6800, 0.0000



2.1901, 6.6800, 1.1302



3.4377, 6.6800, 38.7601

Rectangle

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



13.9065, 6.6800, 22.7467



15.0611, 6.6800, 2.7742



2.1901, 6.6800, 1.1302



1.8784, 6.6800, 15.0677

Sweetspot

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



13.9068, 6.6803, 22.7468



31.7874, 25.7298, 43.0292



4.2339, 1.6938, 22.2944



7.0001, 5.4740, 9.6403



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.9068, 6.6803, 22.7468



24.9037, 11.9625, 40.7344



10.6715, 5.3862, 5.7100



4.8579, 4.7628, 5.8640



13.2462, 6.3628, 21.6664



0.0459, 0.0220, 0.0751

Inverse Universe

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



13.9068, 6.6803, 22.7468



24.9037, 11.9625, 40.7344



9.3861, 17.1747, 8.0531



4.8579, 4.7628, 5.8640



13.2462, 6.3628, 21.6664



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 13.9065, 6.6800, 22.7467 looks on a white background.

Color Contrast Check

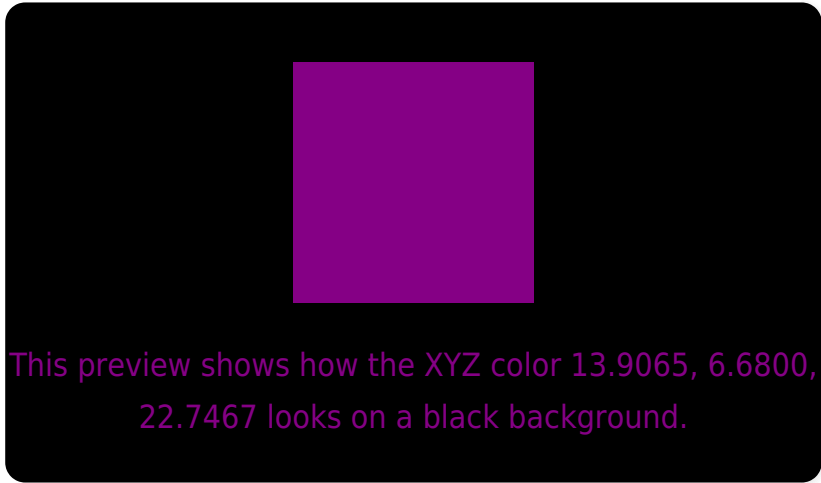
Large Text (above 18pt) WCAG AA ✓ Pass

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

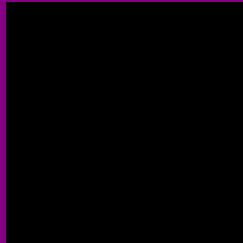
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9065, 6.6800, 22.7467

Background



This preview shows how black text looks on a background with the XYZ color 13.9065, 6.6800, 22.7467.



This preview shows how white text looks on a background with the XYZ color 13.9065, 6.6800,

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

13.9065, 6.6800, 22.7467

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.4823, 7.3693, 20.4301



Tritanopia

10.3992, 7.1015, 4.5640

Trichromacy



Original Color

13.9065, 6.6800, 22.7467

Protanomaly

7.5807, 4.7995, 28.5438

Deuteranomaly

8.1365, 5.3748, 21.0307

Tritanomaly

11.0462, 6.3170, 9.0246

Monochromacy



Original Color

13.9065, 6.6800, 22.7467

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.7296, 3.6656, 8.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9065, 6.6800, 22.7467 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(133, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 133)  
}
```

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(133, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.9065, 6.6800, 22.7467 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(133, 0, 133) }
```


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

```
.border{ border-color:rgb(133, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9065, 6.6800, 22.7467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 133) }
```

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

```
.background{ background-color: rgb(133, 0,  
133) }
```

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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