

Converting Colors

XYZ(13.5249, 6.4912, 22.3699)

Have a look what the booklet for
XYZ(13.5249, 6.4912, 22.3699)
contains.

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Color

**XYZ(13.5249, 6.4912,
22.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	830084
RGB	131, 0, 132
RGB Percent	51%, 0%, 52%
CMY	0.4863, 1.0000, 0.4824
CMYK	0.01, 1.00, 0.00, 0.48
HSL	300°, 100%, 26%
HSV	300°, 100%, 52%
XYZ	13.5249, 6.4912, 22.3699
YIQ	54.2170, 35.7040, 68.8240

Conversions

Conversions Part 2

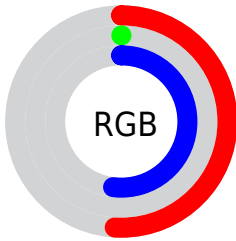
Format	Color
R_{YB}	131, 0, 132
Decimal	8585348
CIE _{Lab}	30.62, 60.09, -37.64
CIE _{LCh}	31, 70.904, 327.941
Yxy	6.4912, 0.3191, 0.1531
Android (android.graphics.Color)	4286775428 (0xFF830084)
YUV	54.2170, 38.3470, 67.3387
Hunter-Lab	25.4778, 50.1705, -34.2230

Details

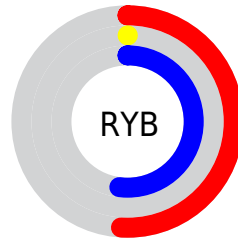
The XYZ color **13.5249, 6.4912, 22.3699** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **8.2640, 16.5091, 2.7513**, and the grayscale version is **3.4848, 3.6663, 3.9926**.

A 20% lighter version of the original color is **31.7390, 18.8751, 48.4248**, and **4.5836, 2.1870, 8.1632** is the 20% darker color. If you saturate the color by 10%, you get **13.5251, 6.4913, 22.3700**, and if you desaturate by 10%, it is **13.6872, 6.7925, 22.4196**.

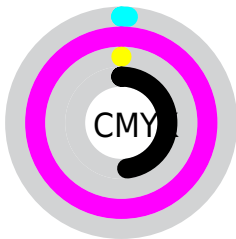
Distribution



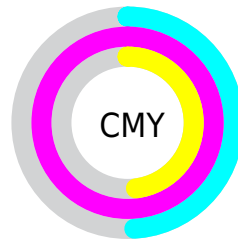
- Red (51%)
- Green (0%)
- Blue (52%)



- Red (51%)
- Yellow (0%)
- Blue (52%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)



- Cyan (49%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5249, 6.4912, 22.3699 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 13.5249, 6.4912, 22.3699 by changing the saturation by 10% instead.

13.5249, 6.4912,
22.3699

13.5249, 6.4912,
22.3699

207.8251,
163.3664, 277.4882

7.8705, 3.1460,
13.9280

31.8370, 18.9421,
48.2666

4.0633, 1.2084,
7.9325

45.2253, 28.8165,
66.5585

1.7380, 0.0686,
3.9646

61.9224, 41.6362,
88.9709

0.4799, 0.0000,
1.6059

82.2934, 57.7855,
115.9222

0.0000, 0.0000,
0.2951


106.7039, 77.6487,
147.8311

0.0000, 0.0000,
0.0000


135.5191,

101.6104, 185.1160

 169.1044,
130.0548, 228.1955


 13.5249, 6.4912,
22.3699

 13.5249, 6.4912,
22.3699


 13.5251, 6.4913,
22.3700

 13.6872, 6.7925,
22.4196

 13.9346, 7.2643,
22.4976

 14.3173, 8.0066,
22.6207

 14.8515, 9.0521,
22.7944

 15.5514, 10.4288,
23.0232

■ 16.4293, 12.1615,
23.3114

■ 17.4965, 14.2727,
23.6626

■ 18.7633, 16.7831,
24.0804

■ 20.2392, 19.7117,
24.5679

Harmonies

Analogous

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



9.7637, 6.4912, 39.8137



13.5249, 6.4912, 22.3699



15.2684, 6.4912, 7.7613

Triad

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



13.5249, 6.4912, 22.3699



6.4073, 6.4912, 0.0000



2.0117, 6.4912, 19.9535

Complementary

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



13.5249, 6.4912, 22.3699



8.2640, 16.5091, 2.7513

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.



1.6739, 6.4912, 6.4169



13.5249, 6.4912, 22.3699



3.5876, 6.4912, 0.0000

Square

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



13.5249, 6.4912, 22.3699



10.3261, 6.4912, 0.0000



2.1249, 6.4912, 1.0628



3.3118, 6.4912, 37.7239

Rectangle

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



13.5249, 6.4912, 22.3699



14.7023, 6.4912, 2.7300



2.1249, 6.4912, 1.0628



1.8087, 6.4912, 14.5369

Sweetspot

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



13.5252, 6.4915, 22.3700



30.6819, 24.8679, 41.6360



4.1890, 1.7140, 21.9399



6.9781, 5.4627, 9.6393



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.



13.5252, 6.4915, 22.3700



23.8182, 11.4312, 39.4042



10.5655, 5.3256, 5.9727



4.8545, 4.7611, 5.8639



13.0958, 6.2853, 21.6596



0.0456, 0.0219, 0.0751

Inverse Universe

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



9.5214, 4.9080, 0.4745



16.7690, 8.6439, 0.8218



9.1713, 16.8706, 7.5944



4.6739, 4.6892, 4.8951



9.2190, 4.7519, 0.4596



0.0320, 0.0165, 0.0021

Previews

White Background



This preview shows how the XYZ color 13.5249, 6.4912, 22.3699 looks on a white background.

Color Contrast Check

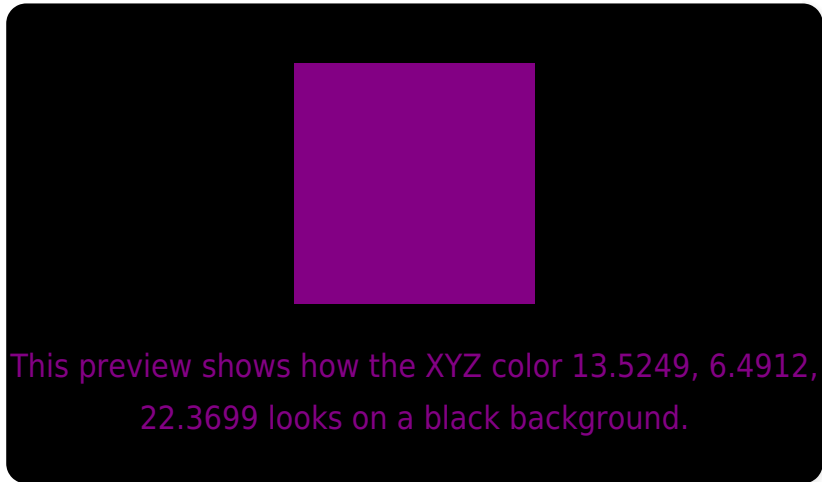
Large Text (above 18pt) WCAG AA ✓ Pass

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

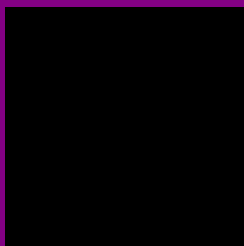
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5249, 6.4912, 22.3699

Background



This preview shows how black text looks on a background with the XYZ color 13.5249, 6.4912, 22.3699.



This preview shows how white text looks on a background with the XYZ color 13.5249, 6.4912,

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

13.5249, 6.4912, 22.3699

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

7.2612, 7.1596, 20.0680



Tritanopia

10.0860, 6.9428, 4.4229

Trichromacy



Original Color

13.5249, 6.4912, 22.3699

Protanomaly

7.3842, 4.6577, 27.7040

Deuteranomaly

7.8682, 5.1827, 20.6643

Tritanomaly

10.7094, 6.1479, 8.8058

Monochromacy



Original Color

13.5249, 6.4912, 22.3699

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5747, 3.5471, 8.3735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5249, 6.4912, 22.3699 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(131, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 132)  
}
```

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(131, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 13.5249, 6.4912, 22.3699 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(131, 0, 132) }
```


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

```
.border{ border-color:rgb(131, 0, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 0, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5249, 6.4912, 22.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 132) }
```

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

```
.background{ background-color: rgb(131, 0,  
132) }
```

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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