

Converting Colors

XYZ(12.4224, 4.6573, 4.9399)

Have a look what the booklet for
XYZ(12.4224, 4.6573, 4.9399)
contains.

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Color

**XYZ(13.4749, 6.8429,
5.3132)**

Conversions

Conversions Part 1

Format	Color
Hex	96003F
RGB	150, 0, 63
RGB Percent	59%, 0%, 25%
CMY	0.4118, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.58, 0.41
HSL	335°, 100%, 29%
HSV	335°, 100%, 59%
XYZ	13.4749, 6.8429, 5.3132
YIQ	52.0320, 69.1770, 51.3930

Conversions

Conversions Part 2

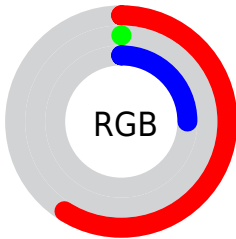
Format	Color
RYB	150, 0, 63
Decimal	9830463
CIELab	31.45, 56.20, 8.72
CIELCh	31, 56.876, 8.818
Yxy	6.8429, 0.5257, 0.2670
Android (android.graphics.Color)	4288020543 (0xFF96003F)
YUV	52.0320, 5.4072, 85.9179
Hunter-Lab	26.1589, 46.1702, 6.2687

Details

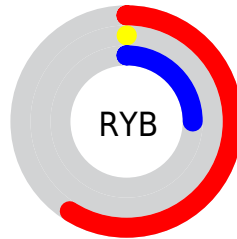
The XYZ color **13.4749, 6.8429, 5.3132** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.6276, 22.5012, 12.6985**, and the grayscale version is **3.2570, 3.4266, 3.7316**.

A 20% lighter version of the original color is **31.8416, 19.7250, 16.8809**, and **4.5490, 2.3295, 0.9193** is the 20% darker color. If you saturate the color by 10%, you get **13.4746, 6.8428, 5.3116**, and if you desaturate by 10%, it is **13.9087, 7.2902, 6.7540**.

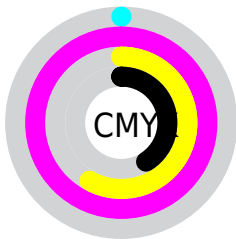
Distribution



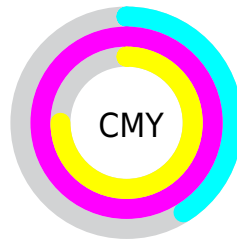
- Red (59%)
- Green (0%)
- Blue (25%)



- Red (59%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (41%)




- Cyan (41%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4749, 6.8429, 5.3132 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 13.4749, 6.8429, 5.3132 by changing the saturation by 10% instead.


 13.4749, 6.8429,
5.3132


 13.4749, 6.8429,
5.3132


207.5159,
166.3519, 161.8621


 7.8356, 3.3640,
2.3702


 31.7485, 19.6565,
16.9402


 4.0409, 1.3246,
0.7702

 45.1135, 29.7600,
26.4612


 1.7253, 0.1601,
0.0000

 61.7844, 42.8405,
39.0121

 0.4720, 0.0000,
0.0000

 82.1267, 59.2824,
55.0113


 0.0000, 0.0000,
0.0000

 106.5056, 79.4701,
74.8773

 135.2865,

103.7879, 99.0288

 168.8348,
132.6204, 127.8842

 13.4749, 6.8429,
5.3132


 13.4749, 6.8429,
5.3132


 13.4746, 6.8428,
5.3116

 13.9087, 7.2902,
6.7540

 14.5053, 7.9987,
8.4469

 15.3243, 9.0853,
10.4199

 16.3899, 10.5959,
12.6883

 17.7229, 12.5699,
15.2660

■ 19.3418, 15.0421,
18.1660

■ 21.2634, 18.0439,
21.4003

■ 23.5031, 21.6042,
24.9801

■ 26.0751, 25.7496,
28.9162

Harmonies

Analogous

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



12.9893, 6.8429, 14.5948



13.4749, 6.8429, 5.3132



11.7142, 6.8429, 1.3379

Triad

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



13.4749, 6.8429, 5.3132



3.6609, 6.8429, 0.6924



4.7337, 6.8429, 33.3662

Complementary

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



13.4749, 6.8429, 5.3132



12.6276, 22.5012, 12.6985

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.



3.1260, 6.8429, 22.0553



13.4749, 6.8429, 5.3132



2.6428, 6.8429, 3.1280

Square

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



13.4749, 6.8429, 5.3132



5.7070, 6.8429, 0.0000



2.4804, 6.8429, 10.0962



7.3718, 6.8429, 35.7754

Rectangle

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



13.4749, 6.8429, 5.3132



9.7375, 6.8429, 0.3886



2.4804, 6.8429, 10.0962



4.0796, 6.8429, 30.2231

Sweetspot

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



13.4751, 6.8433, 5.3133



37.3049, 31.4963, 37.4051



9.2523, 4.1341, 29.1644



7.9704, 6.5140, 7.7965



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.



13.4751, 6.8433, 5.3133



23.6964, 12.0427, 8.9354



12.6865, 6.7015, 0.6254



5.8958, 5.8534, 6.5574



11.1909, 5.6814, 4.4863



0.1511, 0.0752, 0.1295

Inverse Universe

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



13.4751, 6.8433, 5.3133



23.6964, 12.0427, 8.9354



14.8835, 20.9586, 32.1151



5.8958, 5.8534, 6.5574



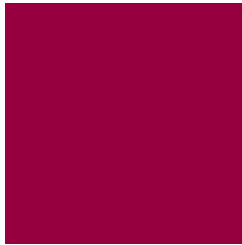
11.1909, 5.6814, 4.4863



0.1511, 0.0752, 0.1295

Previews

White Background



This preview shows how the XYZ color 13.4749, 6.8429, 5.3132 looks on a white background.

Color Contrast Check

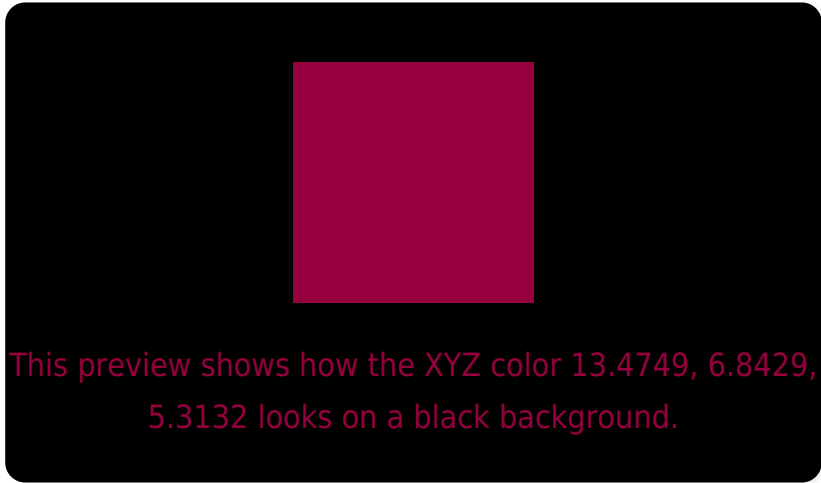
Large Text (above 18pt) WCAG AA ✓ Pass

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

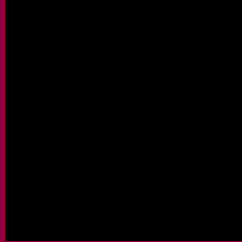
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4749, 6.8429, 5.3132

Background



This preview shows how black text looks on a background with the XYZ color 13.4749, 6.8429, 5.3132.



This preview shows how white text looks on a background with the XYZ color 13.4749, 6.8429,

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

13.4749, 6.8429, 5.3132

Protanopia

7.4097, 7.5363, 11.1893

Deuteranopia

7.5017, 7.4171, 4.9072



Tritanopia

12.9069, 7.1508, 1.5641

Trichromacy



Original Color

13.4749, 6.8429, 5.3132

Protanomaly

8.0630, 5.6155, 8.4435

Deuteranomaly

8.4880, 5.7935, 4.8086

Tritanomaly

12.9296, 6.9001, 2.4841

Monochromacy



Original Color

13.4749, 6.8429, 5.3132

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2822, 3.4479, 4.1285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4749, 6.8429, 5.3132 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(150, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 63)  
}
```

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(150, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 13.4749, 6.8429, 5.3132 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(150, 0, 63) }
```


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

```
.border{ border-color:rgb(150, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4749, 6.8429, 5.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 63) }
```

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

```
.background{ background-color: rgb(150, 0,  
63) }
```

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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