

Converting Colors

XYZ(11.5990, 3.0075, 3.8704)

Have a look what the booklet for
XYZ(11.5990, 3.0075, 3.8704)
contains.

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Color

**XYZ(13.5010, 6.8747,
4.4863)**

Conversions

Conversions Part 1

Format	Color
Hex	970039
RGB	151, 0, 57
RGB Percent	59%, 0%, 22%
CMY	0.4078, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.62, 0.41
HSL	337°, 100%, 30%
HSV	337°, 100%, 59%
XYZ	13.5010, 6.8747, 4.4863
YIQ	51.6470, 71.6990, 49.7390

Conversions

Conversions Part 2

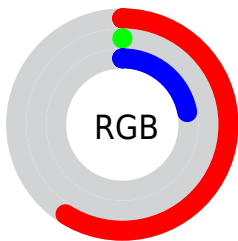
Format	Color
RYB	151, 0, 57
Decimal	9895993
CIELab	31.52, 56.06, 12.85
CIElCh	32, 57.510, 12.914
Yxy	6.8747, 0.5430, 0.2765
Android (android.graphics.Color)	4288086073 (0xFF970039)
YUV	51.6470, 2.6390, 87.1326
Hunter-Lab	26.2196, 46.0287, 8.2090

Details

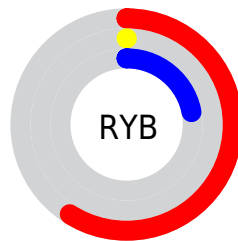
The XYZ color **13.5010, 6.8747, 4.4863** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.0881, 22.9417, 14.3327**, and the grayscale version is **3.2146, 3.3820, 3.6830**.

A 20% lighter version of the original color is **31.8114, 19.7459, 15.2314**, and **4.6004, 2.3616, 0.6653** is the 20% darker color. If you saturate the color by 10%, you get **13.5006, 6.8745, 4.4846**, and if you desaturate by 10%, it is **13.9302, 7.3224, 5.8957**.

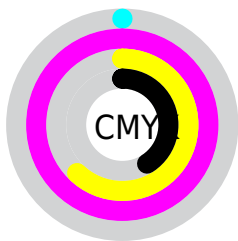
Distribution



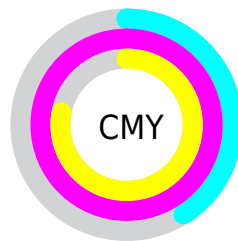
- Red (59%)
- Green (0%)
- Blue (22%)



- Red (59%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5010, 6.8747, 4.4863 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 13.5010, 6.8747, 4.4863 by changing the saturation by 10% instead.


 13.5010, 6.8747,
4.4863


 13.5010, 6.8747,
4.4863


207.6774,
166.6184, 153.4863


 7.8538, 3.3839,
1.8957


 31.7947, 19.7207,
15.1166


 4.0526, 1.3353,
0.4900

 45.1719, 29.8446,
23.9935


 1.7319, 0.1683,
0.0000

 61.8564, 42.9484,
35.8029

 0.4761, 0.0000,
0.0000

 82.2137, 59.4164,
50.9633

 0.0000, 0.0000,
0.0000

 106.6091, 79.6330,
69.8933

 135.4080,

103.9826, 93.0114

168.9756,
132.8496, 120.7362

13.5010, 6.8747,
4.4863

13.5010, 6.8747,
4.4863

13.5006, 6.8745,
4.4846

13.9302, 7.3224,
5.8957

14.5299, 8.0381,
7.5873

15.3609, 9.1397,
9.5914

16.4480, 10.6743,
11.9261

17.8129, 12.6819,
14.6074

■ 19.4748, 15.1981,
17.6505

■ 21.4509, 18.2550,
21.0692

■ 23.7572, 21.8820,
24.8767

■ 26.4087, 26.1064,
29.0855

Harmonies

Analogous

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



13.3335, 6.8747, 13.1373



13.5010, 6.8747, 4.4863



11.4508, 6.8747, 1.0650

Triad

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



13.5010, 6.8747, 4.4863



3.4574, 6.8747, 0.8547



5.0468, 6.8747, 34.9229

Complementary

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



13.5010, 6.8747, 4.4863



13.0881, 22.9417, 14.3327

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.



3.2753, 6.8747, 24.1653



13.5010, 6.8747, 4.4863



2.5588, 6.8747, 3.7436

Square

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



13.5010, 6.8747, 4.4863



5.3797, 6.8747, 0.0000



2.5037, 6.8747, 11.5898



7.8431, 6.8747, 35.7587

Rectangle

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



13.5010, 6.8747, 4.4863



9.3743, 6.8747, 0.2197



2.5037, 6.8747, 11.5898



4.3349, 6.8747, 32.1170

Sweetspot

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



13.5012, 6.8751, 4.4864



38.1820, 32.3276, 37.3367



10.1129, 4.5684, 29.6267



8.3537, 6.8434, 7.9314



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.5012, 6.8751, 4.4864



24.0956, 12.2786, 7.5968



12.9730, 7.0002, 0.6680



6.3004, 6.2593, 6.9621



11.4984, 5.8536, 3.8836



0.1887, 0.0942, 0.1464

Inverse Universe

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



13.5012, 6.8751, 4.4864



24.0956, 12.2786, 7.5968



14.0265, 19.1152, 32.2283



6.3004, 6.2593, 6.9621



11.4984, 5.8536, 3.8836



0.1887, 0.0942, 0.1464

Previews

White Background



This preview shows how the XYZ color 13.5010, 6.8747, 4.4863 looks on a white background.

Color Contrast Check

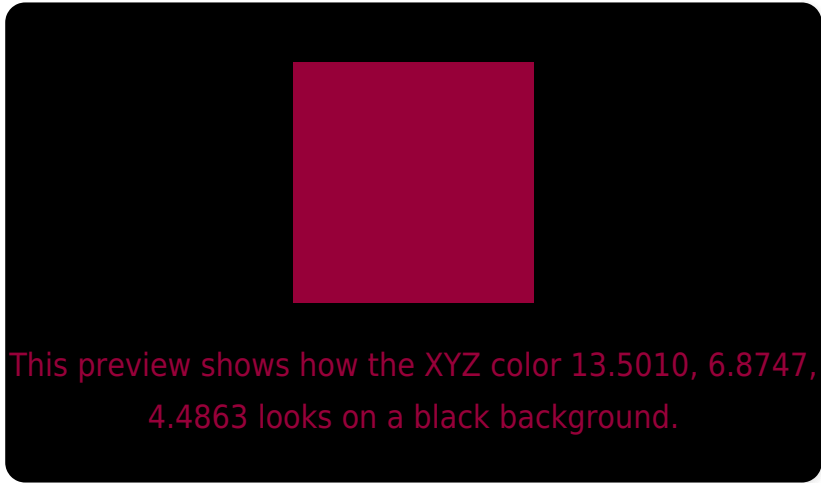
Large Text (above 18pt) WCAG AA ✓ Pass

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

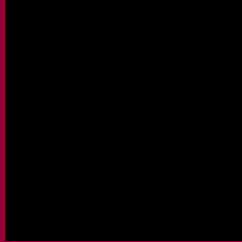
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5010, 6.8747, 4.4863

Background



This preview shows how black text looks on a background with the XYZ color 13.5010, 6.8747, 4.4863.



This preview shows how white text looks on a background with the XYZ color 13.5010, 6.8747,

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

13.5010, 6.8747, 4.4863

Protanopia

7.2758, 7.5101, 9.2497

Deuteranopia

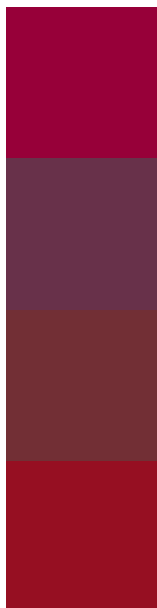
7.5387, 7.4550, 4.0592



Tritanopia

13.0194, 7.1510, 1.4035

Trichromacy



Original Color

13.5010, 6.8747, 4.4863

Protanomaly

8.0433, 5.6341, 7.1421

Deuteranomaly

8.5985, 5.8675, 4.0475

Tritanomaly

13.0372, 6.9412, 2.1660

Monochromacy



Original Color

13.5010, 6.8747, 4.4863

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2342, 3.4288, 3.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5010, 6.8747, 4.4863 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(151, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 57)  
}
```

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(151, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 13.5010, 6.8747, 4.4863 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(151, 0, 57) }
```


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

```
.border{ border-color:rgb(151, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(151, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(151, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5010, 6.8747, 4.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 57) }
```

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

```
.background{ background-color: rgb(151, 0,  
57) }
```

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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