

Converting Colors

XYZ(13.3699, 6.8655, 1.8419)

Have a look what the booklet for
XYZ(13.3699, 6.8655, 1.8419)
contains.

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Color

**XYZ(13.3712, 6.8660,
1.8488)**

Conversions

Conversions Part 1

Format	Color
Hex	99001E
RGB	153, 0, 30
RGB Percent	60%, 0%, 12%
CMY	0.4000, 0.9999, 0.8824
CMYK	0.00, 1.00, 0.80, 0.40
HSL	348°, 100%, 30%
HSV	348°, 100%, 60%
XYZ	13.3712, 6.8660, 1.8488
YIQ	49.1670, 81.5580, 41.7660

Conversions

Conversions Part 2

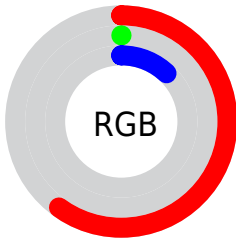
Format	Color
RYB	153, 0, 30
Decimal	10027038
CIELab	31.50, 55.30, 30.49
CIELCh	31, 63.152, 28.870
Yxy	6.8660, 0.6054, 0.3109
Android (android.graphics.Color)	4288217118 (0xFF99001E)
YUV	49.1670, -9.4493, 91.0615
Hunter-Lab	26.2031, 45.2317, 14.1588

Details

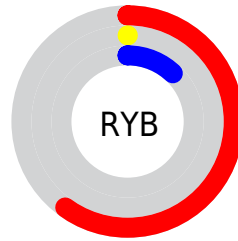
The XYZ color **13.3712, 6.8660, 1.8488** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.9678, 24.2130, 22.6301**, and the grayscale version is **2.9429, 3.0962, 3.3717**.

A 20% lighter version of the original color is **31.6429, 19.7066, 8.6145**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.3709, 6.8659, 1.8477**, and if you desaturate by 10%, it is **13.7355, 7.2924, 2.9025**.

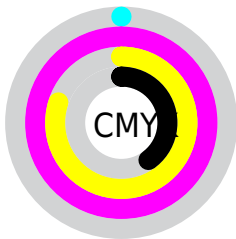
Distribution



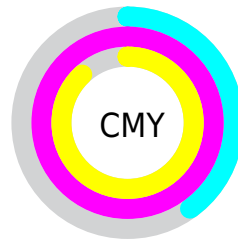
- Red (60%)
- Green (0%)
- Blue (12%)



- Red (60%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3712, 6.8660, 1.8488 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 13.3712, 6.8660, 1.8488 by changing the saturation by 10% instead.


 13.3712, 6.8660,
1.8488


 13.3712, 6.8660,
1.8488


206.8730,
166.5456, 119.9829


 7.7634, 3.3784,
0.4599


 31.5647, 19.7031,
8.6232


 3.9945, 1.3324,
0.0000

 44.8812, 29.8215,
14.9285


 1.6990, 0.1660,
0.0000

 61.4979, 42.9189,
23.7373

 0.4556, 0.0000,
0.0000


 81.7803, 59.3798,
35.4682


 0.0000, 0.0000,
0.0000


 106.0936, 79.5885,
50.5397


 134.8033,


103.9294, 69.3703

 168.2746,
132.7870, 92.3785


 13.3712, 6.8660,
1.8488


 13.3712, 6.8660,
1.8488

 13.3709, 6.8659,
1.8477

 13.7355, 7.2924,
2.9025

 14.2970, 8.0046,
4.3562

 15.1209, 9.1241,
6.2594

 16.2361, 10.7008,
8.6463

 17.6675, 12.7772,
11.5478

■ 19.4374, 15.3910,
14.9923

■ 21.5658, 18.5762,
19.0058

■ 24.0715, 22.3641,
23.6127

■ 26.9716, 26.7835,
28.8361

Harmonies

Analogous

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



14.6168, 6.8660, 7.8222



13.3712, 6.8660, 1.8488



10.1721, 6.8660, 0.0176

Triad

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



13.3712, 6.8660, 1.8488



2.6015, 6.8660, 1.6257



6.4075, 6.8660, 41.5239

Complementary

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



13.3712, 6.8660, 1.8488



14.9678, 24.2130, 22.6301

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.



3.8754, 6.8660, 34.2017



13.3712, 6.8660, 1.8488



2.1589, 6.8660, 7.1400

Square

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



13.3712, 6.8660, 1.8488



4.0229, 6.8660, 0.0000



2.5375, 6.8660, 19.3208



9.8973, 6.8660, 35.1504

Rectangle

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



13.3712, 6.8660, 1.8488



7.7624, 6.8660, 0.0000



2.5375, 6.8660, 19.3208



5.4283, 6.8660, 40.5224

Sweetspot

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



13.3714, 6.8664, 1.8489



38.3723, 32.8922, 33.5721



13.8333, 6.4674, 30.6561



8.1351, 6.7559, 6.7801



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.



13.3714, 6.8664, 1.8489



23.8925, 12.2748, 3.0276



14.1105, 8.7196, 0.9399



6.2558, 6.2415, 6.7273



11.0609, 5.6786, 1.5797



0.1760, 0.0892, 0.0797

Inverse Universe

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



13.3714, 6.8664, 1.8489



23.8925, 12.2748, 3.0276



11.0187, 12.8375, 32.0339



6.2558, 6.2415, 6.7273



11.0609, 5.6786, 1.5797



0.1760, 0.0892, 0.0797

Previews

White Background



This preview shows how the XYZ color 13.3712, 6.8660, 1.8488 looks on a white background.

Color Contrast Check

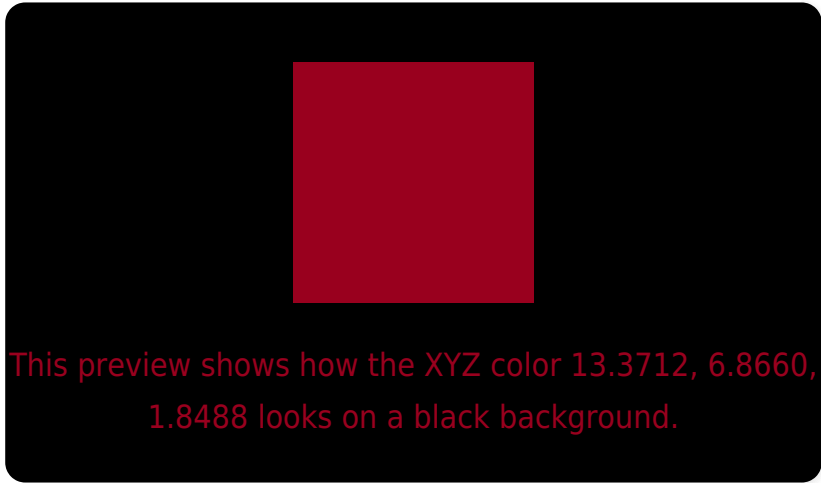
Large Text (above 18pt) WCAG AA ✓ Pass

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

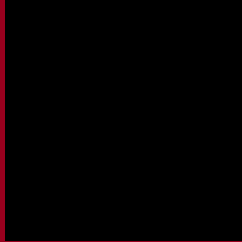
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3712, 6.8660, 1.8488

Background



This preview shows how black text looks on a background with the XYZ color 13.3712, 6.8660, 1.8488.



This preview shows how white text looks on a background with the XYZ color 13.3712, 6.8660,

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

13.3712, 6.8660, 1.8488

Protanopia

6.9838, 7.5853, 3.7853

Deuteranopia

7.5950, 7.5379, 1.6269



Tritanopia

13.2808, 7.0602, 0.6628

Trichromacy



Original Color

13.3712, 6.8660, 1.8488

Protanomaly

7.9712, 5.7563, 2.7888

Deuteranomaly

8.6325, 5.9425, 1.4511

Tritanomaly

13.2841, 6.9701, 0.9618

Monochromacy



Original Color

13.3712, 6.8660, 1.8488

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.8384, 3.1734, 2.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3712, 6.8660, 1.8488 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(153, 0, 30)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 30)  
}
```

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(153, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 30) }
```

Border

The CSS property to change the border of an element to XYZ 13.3712, 6.8660, 1.8488 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(153, 0, 30) }
```


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

```
.border{ border-color:rgb(153, 0, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3712, 6.8660, 1.8488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 30) }
```

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

```
.background{ background-color: rgb(153, 0,  
30) }
```

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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