

Converting Colors

XYZ(13.3621, 6.8450, 5.7322)

Have a look what the booklet for
XYZ(13.3621, 6.8450, 5.7322)
contains.

XYZ(13.4212, 6.8697, 5.7729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.4212, 6.8697,
5.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	950442
RGB	149, 4, 66
RGB Percent	58%, 2%, 26%
CMY	0.4157, 0.9842, 0.7412
CMYK	0.00, 0.97, 0.56, 0.42
HSL	334°, 95%, 30%
HSV	334°, 97%, 58%
XYZ	13.4212, 6.8697, 5.7729
YIQ	54.4230, 66.5180, 50.0220

Conversions

Conversions Part 2

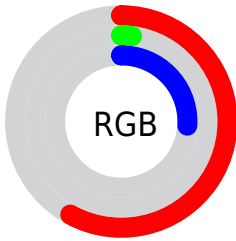
Format	Color
R_YB	149, 4, 66
Decimal	9765954
CIE Lab	31.51, 55.59, 6.78
CIE LCh	32, 56.002, 6.950
Yxy	6.8697, 0.5149, 0.2636
Android (android.graphics.Color)	4287956034 (0xFF950442)
YUV	54.4230, 5.7075, 82.9440
Hunter-Lab	26.2101, 45.5354, 5.2882

Details

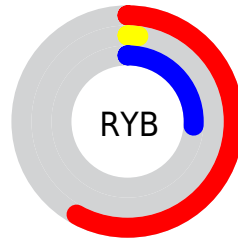
The XYZ color **13.4212, 6.8697, 5.7729** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.5187, 22.2091, 12.6475**, and the grayscale version is **3.5474, 3.7321, 4.0643**.

A 20% lighter version of the original color is **31.5658, 19.6570, 18.0501**, and **4.4793, 2.2901, 1.0701** is the 20% darker color. If you saturate the color by 10%, you get **13.3113, 6.7563, 5.4084**, and if you desaturate by 10%, it is **13.8798, 7.3541, 7.2606**.

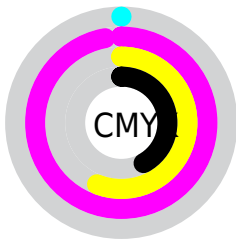
Distribution



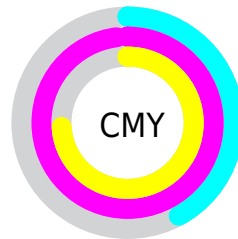
- Red (58%)
- Green (2%)
- Blue (26%)



- Red (58%)
- Yellow (2%)
- Blue (26%)



- Cyan (0%)
- Magenta (97%)
- Yellow (56%)
- Black (42%)



- Cyan (42%)
- Magenta (98%)
- Yellow (74%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4212, 6.8697, 5.7729 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 13.4212, 6.8697, 5.7729 by changing the saturation by 10% instead.


 13.4212, 6.8697,
5.7729


 13.4212, 6.8697,
5.7729


207.1832,
166.5766, 166.2620


 7.7982, 3.3807,
2.6409


 31.6534, 19.7106,
17.9271


 4.0168, 1.3336,
0.9135

 44.9932, 29.8313,
27.7865


 1.7117, 0.1670,
0.0000

 61.6361, 42.9314,
40.7254

 0.4635, 0.0000,
0.0000

 81.9474, 59.3953,
57.1624

 0.0000, 0.0000,
0.0000

 106.2924, 79.6074,
77.5160

 135.0364,

103.9520, 102.2047

168.5449,
132.8136, 131.6472

13.4212, 6.8697,
5.7729

13.4212, 6.8697,
5.7729

13.3113, 6.7563,
5.4084

13.8798, 7.3541,
7.2606

14.5249, 8.1487,
9.0031

15.3948, 9.3282,
11.0207

16.5124, 10.9358,
13.3277

17.8972, 13.0088,
15.9371

■ 19.5670, 15.5804,
18.8612

■ 21.5377, 18.6807,
22.1113

■ 23.8242, 22.3375,
25.6980

■ 26.4403, 26.5765,
29.6316

Harmonies

Analogous

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



12.8032, 6.8697, 15.2383



13.4212, 6.8697, 5.7729



11.8143, 6.8697, 1.5286

Triad

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



13.4212, 6.8697, 5.7729



3.8097, 6.8697, 0.6691



4.6486, 6.8697, 32.3405

Complementary

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



13.4212, 6.8697, 5.7729



12.5187, 22.2091, 12.6475

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.



3.1159, 6.8697, 21.0115



13.4212, 6.8697, 5.7729



2.7366, 6.8697, 2.9375

Square

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



13.4212, 6.8697, 5.7729



5.9025, 6.8697, 0.0000



2.5248, 6.8697, 9.4941



7.1993, 6.8697, 35.3828

Rectangle

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



13.4212, 6.8697, 5.7729



9.9084, 6.8697, 0.5163



2.5248, 6.8697, 9.4941



4.0220, 6.8697, 29.1164

Sweetspot

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



13.4214, 6.8701, 5.7730



37.7161, 32.1000, 38.2162



9.3222, 4.2439, 28.7615



8.0525, 6.6319, 7.9668



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.



13.4214, 6.8701, 5.7730



23.7525, 12.0652, 9.2308



12.5692, 6.7040, 0.7469



5.8976, 5.8541, 6.5667



11.2177, 5.6921, 4.6274



0.1516, 0.0754, 0.1318

Inverse Universe

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



13.4214, 6.8701, 5.7730



23.7525, 12.0652, 9.2308



14.7562, 20.7580, 31.6626



5.8976, 5.8541, 6.5667



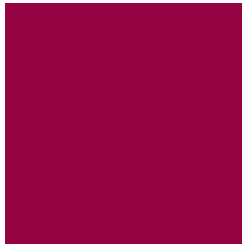
11.2177, 5.6921, 4.6274



0.1516, 0.0754, 0.1318

Previews

White Background



This preview shows how the XYZ color 13.4212, 6.8697, 5.7729 looks on a white background.

Color Contrast Check

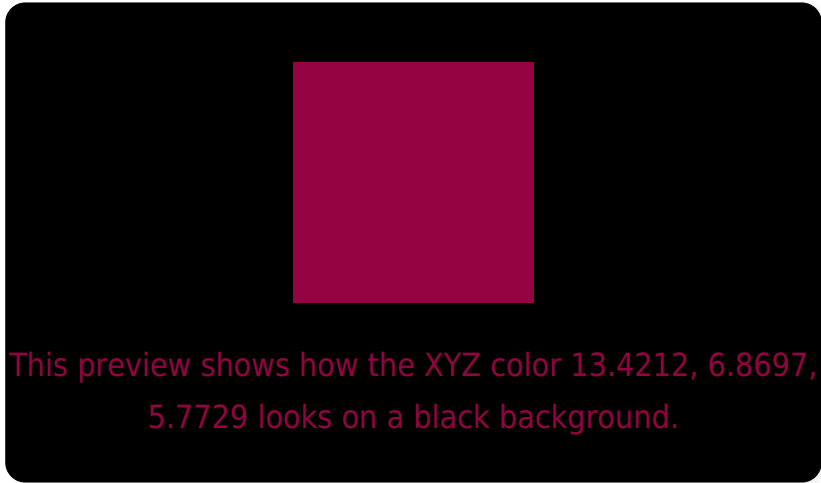
Large Text (above 18pt) WCAG AA ✓ Pass

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

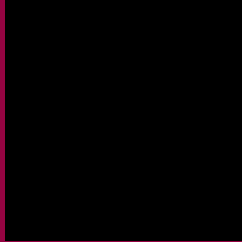
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4212, 6.8697, 5.7729

Background



This preview shows how black text looks on a background with the XYZ color 13.4212, 6.8697, 5.7729.



This preview shows how white text looks on a background with the XYZ color 13.4212, 6.8697,

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

13.4212, 6.8697, 5.7729

Protanopia

7.3682, 7.3911, 12.1046

Deuteranopia

7.4808, 7.3975, 5.3085



Tritanopia

12.5885, 7.0164, 1.6681

Trichromacy



Original Color

13.4212, 6.8697, 5.7729

Protanomaly

8.0358, 5.6464, 9.2607

Deuteranomaly

8.5234, 5.9239, 5.2516

Tritanomaly

12.8293, 6.8886, 2.7513

Monochromacy



Original Color

13.4212, 6.8697, 5.7729

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5144, 3.6911, 4.4248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4212, 6.8697, 5.7729 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(149, 4, 66)` looks like.

```
.text, #text, p{  
  color:rgb(149, 4, 66)  
}
```

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(149, 4, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 4, 66) }
```

Border

The CSS property to change the border of an element to XYZ 13.4212, 6.8697, 5.7729 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(149, 4, 66) }
```


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

```
.border{ border-color:rgb(149, 4, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 4, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 4, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 4, 66);  
box-shadow:4px 4px 4px 4px rgb(149, 4, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4212, 6.8697, 5.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 4, 66) }
```

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

```
.background{ background-color: rgb(149, 4,  
66) }
```

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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