

Converting Colors

XYZ(13.3332, 6.7651, 5.5235)

Have a look what the booklet for
XYZ(13.3332, 6.7651, 5.5235)
contains.

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Color

**XYZ(13.3198, 6.7597,
5.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	950040
RGB	149, 0, 64
RGB Percent	58%, 0%, 25%
CMY	0.4157, 0.9999, 0.7490
CMYK	0.00, 1.00, 0.57, 0.42
HSL	334°, 100%, 29%
HSV	334°, 100%, 58%
XYZ	13.3198, 6.7597, 5.4532
YIQ	51.8470, 68.2600, 51.4920

Conversions

Conversions Part 2

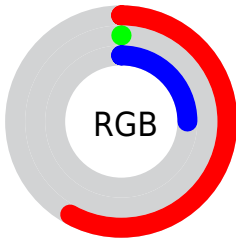
Format	Color
R_{YB}	149, 0, 64
Decimal	9764928
CIE Lab	31.25, 56.03, 7.75
CIE LCh	31, 56.565, 7.875
Yxy	6.7597, 0.5217, 0.2647
Android (android.graphics.Color)	4287955008 (0xFF950040)
YUV	51.8470, 5.9914, 85.2032
Hunter-Lab	25.9994, 45.9486, 5.7639

Details

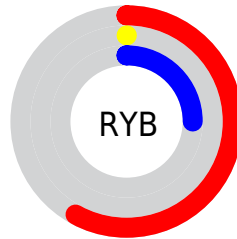
The XYZ color **13.3198, 6.7597, 5.4532** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.3881, 22.1510, 12.2210**, and the grayscale version is **3.2346, 3.4030, 3.7059**.

A 20% lighter version of the original color is **31.6125, 19.6006, 17.1560**, and **4.4592, 2.2821, 0.9645** is the 20% darker color. If you saturate the color by 10%, you get **13.3194, 6.7596, 5.4515**, and if you desaturate by 10%, it is **13.7502, 7.2033, 6.8826**.

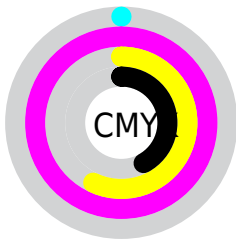
Distribution



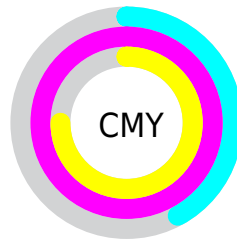
- Red (58%)
- Green (0%)
- Blue (25%)



- Red (58%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3198, 6.7597, 5.4532 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 13.3198, 6.7597, 5.4532 by changing the saturation by 10% instead.


 13.3198, 6.7597,
5.4532


 13.3198, 6.7597,
5.4532


206.5536,
165.6518, 163.2197

 7.7276, 3.3123,
2.4522


 31.4736, 19.4881,
17.2426


 3.9715, 1.2969,
0.8147

 44.7659, 29.5379,
26.8680


 1.6860, 0.1388,
0.0000

 61.3557, 42.5573,
39.5387

 0.4475, 0.0000,
0.0000

 81.6083, 58.9307,
55.6732

 0.0000, 0.0000,
0.0000

 105.8890, 79.0424,
75.6900

 134.5632,

103.2769, 100.0076

167.9963,
132.0186, 129.0447

13.3198, 6.7597,
5.4532

13.3198, 6.7597,
5.4532

13.3194, 6.7596,
5.4515

13.7502, 7.2033,
6.8826

14.3393, 7.9031,
8.5547

15.1464, 8.9747,
10.4964

16.1951, 10.4634,
12.7224

17.5058, 12.4079,
15.2462

■ 19.0966, 14.8422,
18.0800

■ 20.9839, 17.7974,
21.2352

■ 23.1828, 21.3016,
24.7227

■ 25.7072, 25.3812,
28.5526

Harmonies

Analogous

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



12.7688, 6.7597, 14.7755



13.3198, 6.7597, 5.4532



11.6442, 6.7597, 1.3901

Triad

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



13.3198, 6.7597, 5.4532



3.6670, 6.7597, 0.6457



4.6123, 6.7597, 32.6539

Complementary

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



13.3198, 6.7597, 5.4532



12.3881, 22.1510, 12.2210

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.



3.0581, 6.7597, 21.3540



13.3198, 6.7597, 5.4532



2.6325, 6.7597, 2.9645

Square

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



13.3198, 6.7597, 5.4532



5.7190, 6.7597, 0.0000



2.4474, 6.7597, 9.6667



7.1866, 6.7597, 35.3843

Rectangle

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



13.3198, 6.7597, 5.4532



9.7125, 6.7597, 0.4181



2.4474, 6.7597, 9.6667



3.9781, 6.7597, 29.4735

Sweetspot

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



13.3200, 6.7601, 5.4533



37.3535, 31.5157, 37.6612



9.1208, 4.0756, 28.7395



7.9821, 6.5187, 7.8582



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.



13.3200, 6.7601, 5.4533



23.7670, 12.0710, 9.3073



12.5025, 6.6056, 0.6166



5.8980, 5.8543, 6.5690



11.2246, 5.6949, 4.6638



0.1517, 0.0754, 0.1324

Inverse Universe

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



13.3200, 6.7601, 5.4533



23.7670, 12.0710, 9.3073



14.6674, 20.6548, 31.6473



5.8980, 5.8543, 6.5690



11.2246, 5.6949, 4.6638



0.1517, 0.0754, 0.1324

Previews

White Background



This preview shows how the XYZ color 13.3198, 6.7597, 5.4532 looks on a white background.

Color Contrast Check

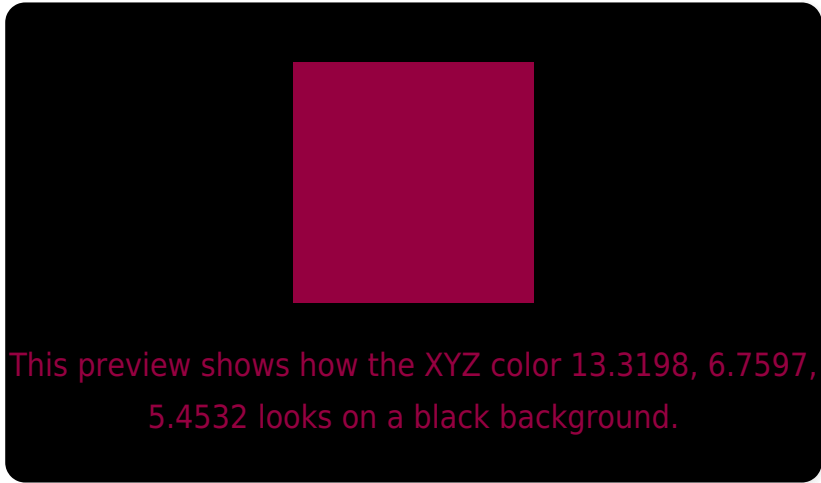
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3198, 6.7597, 5.4532

Background



This preview shows how black text looks on a background with the XYZ color 13.3198, 6.7597, 5.4532.



This preview shows how white text looks on a background with the XYZ color 13.3198, 6.7597,

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

13.3198, 6.7597, 5.4532

Protanopia

7.3079, 7.3757, 11.3944

Deuteranopia

7.5269, 7.4272, 5.0399



Tritanopia

12.7576, 7.1049, 1.6187

Trichromacy



Original Color

13.3198, 6.7597, 5.4532

Protanomaly

7.9468, 5.4898, 8.6234

Deuteranomaly

8.5142, 5.8040, 4.9465

Tritanomaly

12.7794, 6.8433, 2.5668

Monochromacy



Original Color

13.3198, 6.7597, 5.4532

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1881, 3.3995, 4.1241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3198, 6.7597, 5.4532 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, 0, 64)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 64)  
}
```

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, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.3198, 6.7597, 5.4532 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, 0, 64) }
```


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

```
.border{ border-color:rgb(149, 0, 64) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(149, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3198, 6.7597, 5.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 64) }
```

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

```
.background{ background-color: rgb(149, 0,  
64) }
```

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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