

Converting Colors

XYZ(10.8180, 5.7142, 4.4002)

Have a look what the booklet for
XYZ(10.8180, 5.7142, 4.4002)
contains.

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Color

**XYZ(10.8741, 5.7342,
4.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	870D39
RGB	135, 13, 57
RGB Percent	53%, 5%, 22%
CMY	0.4706, 0.9490, 0.7765
CMYK	0.00, 0.90, 0.58, 0.47
HSL	338°, 82%, 29%
HSV	338°, 90%, 53%
XYZ	10.8741, 5.7342, 4.4046
YIQ	54.4940, 58.5880, 39.5480

Conversions

Conversions Part 2

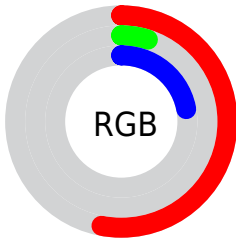
Format	Color
R_{YB}	135, 13, 57
Decimal	8850745
CIE _{Lab}	28.73, 49.92, 8.47
CIE _{LCh}	29, 50.633, 9.627
Yxy	5.7342, 0.5175, 0.2729
Android (android.graphics.Color)	4287040825 (0xFF870D39)
YUV	54.4940, 1.2355, 70.6038
Hunter-Lab	23.9462, 39.1520, 5.8567

Details

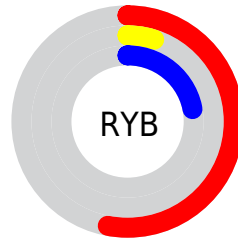
The XYZ color **10.8741, 5.7342, 4.4046** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **10.7191, 18.1691, 12.8432**, and the grayscale version is **3.5623, 3.7478, 4.0813**.

A 20% lighter version of the original color is **27.0071, 17.3691, 15.0258**, and **3.3037, 1.6940, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **10.5391, 5.3699, 3.3511**, and if you desaturate by 10%, it is **11.3451, 6.3018, 5.7161**.

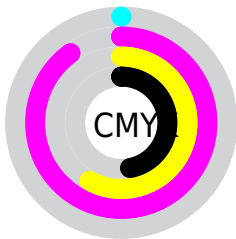
Distribution



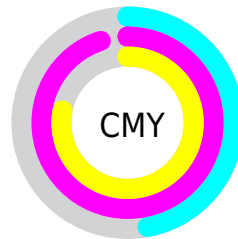
- Red (53%)
- Green (5%)
- Blue (22%)



- Red (53%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (90%)
- Yellow (58%)
- Black (47%)




- Cyan (47%)
- Magenta (95%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8741, 5.7342, 4.4046 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 10.8741, 5.7342, 4.4046 by changing the saturation by 10% instead.


 10.8741, 5.7342,
4.4046


 10.8741, 5.7342,
4.4046


190.7279,
156.6879, 152.6216


 6.0489, 2.6841,
1.8498


 27.0621, 17.3771,
14.9326


 2.9158, 0.9691,
0.4605

 39.1557, 26.7387,
23.7430


 1.1094, 0.0000,
0.0000

 54.4028, 38.9730,
35.4756

 0.0329, 0.0000,
0.0000

 73.1687, 54.4643,
50.5490

 0.0000, 0.0000,
0.0000

 95.8188, 73.5971,
69.3818

 122.7185, 96.7557,

92.3924

154.2331,
124.3245, 119.9995

10.8741, 5.7342,
4.4046

10.8741, 5.7342,
4.4046

10.5391, 5.3699,
3.3511

11.3451, 6.3018,
5.7161

11.9959, 7.1676,
7.2767

12.8457, 8.3674,
9.1008

13.9110, 9.9317,
11.2015

15.2063, 11.8874,
13.5907

■ 16.7450, 14.2589,
16.2796

■ 18.5393, 17.0687,
19.2788

■ 20.6006, 20.3375,
22.5982

■ 22.9397, 24.0848,
26.2474

Harmonies

Analogous

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



10.5476, 5.7342, 11.5775



10.8741, 5.7342, 4.4046



9.4713, 5.7342, 1.2263

Triad

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



10.8741, 5.7342, 4.4046



3.1447, 5.7342, 0.7368



4.0879, 5.7342, 26.3216

Complementary

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



10.8741, 5.7342, 4.4046



10.7191, 18.1691, 12.8432

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.



2.7669, 5.7342, 17.8288



10.8741, 5.7342, 4.4046



2.3346, 5.7342, 2.8665

Square

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



10.8741, 5.7342, 4.4046



4.7632, 5.7342, 0.0000



2.2183, 5.7342, 8.5341



6.2003, 5.7342, 27.9079

Rectangle

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



10.8741, 5.7342, 4.4046



7.9222, 5.7342, 0.4093



2.2183, 5.7342, 8.5341



3.5547, 5.7342, 23.9966

Sweetspot

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



10.8742, 5.7345, 4.4047



30.8255, 26.8406, 30.5764



8.7603, 4.2249, 23.2752



6.9330, 5.8955, 6.7317



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.8742, 5.7345, 4.4047



18.8028, 9.5881, 5.6274



10.5106, 6.0725, 0.9995



4.7368, 4.7144, 5.2265



9.7245, 4.9541, 3.1216



0.0370, 0.0185, 0.0280

Inverse Universe

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



10.8742, 5.7345, 4.4047



18.8028, 9.5881, 5.6274



11.1047, 14.9656, 25.2248



4.7368, 4.7144, 5.2265



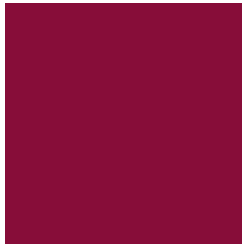
9.7245, 4.9541, 3.1216



0.0370, 0.0185, 0.0280

Previews

White Background



This preview shows how the XYZ color 10.8741, 5.7342, 4.4046 looks on a white background.

Color Contrast Check

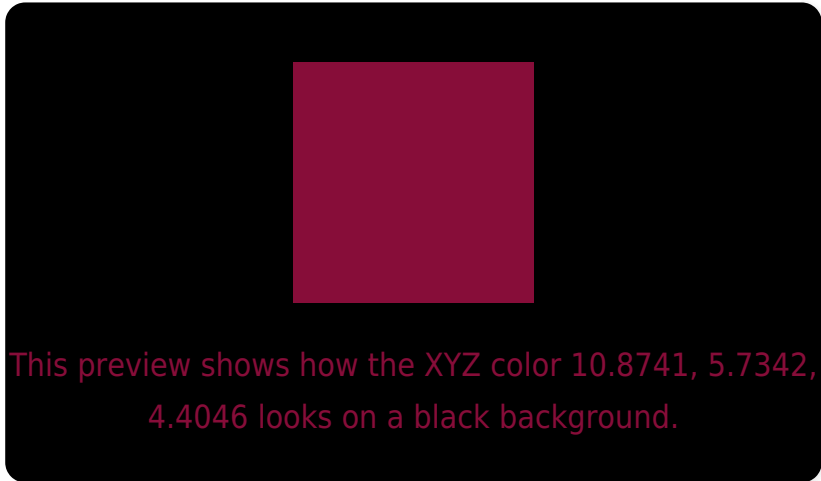
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8741, 5.7342, 4.4046

Background



This preview shows how black text looks on a background with the XYZ color 10.8741, 5.7342, 4.4046.



This preview shows how white text looks on a background with the XYZ color 10.8741, 5.7342,

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

10.8741, 5.7342, 4.4046

Protanopia

6.0970, 6.2185, 8.8616

Deuteranopia

6.1720, 6.0923, 3.9826



Tritanopia

10.3546, 5.8338, 1.5000

Trichromacy



Original Color

10.8741, 5.7342, 4.4046

Protanomaly

6.7145, 4.9530, 6.9055

Deuteranomaly

7.1386, 5.1149, 3.9792

Tritanomaly

10.4336, 5.7382, 2.3079

Monochromacy



Original Color

10.8741, 5.7342, 4.4046

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.1288, 3.6879, 4.1829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8741, 5.7342, 4.4046 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(135, 13, 57)` looks like.

```
.text, #text, p{  
    color:rgb(135, 13, 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(135, 13, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 13, 57) }
```

Border

The CSS property to change the border of an element to XYZ 10.8741, 5.7342, 4.4046 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(135, 13, 57) }
```


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

```
.border{ border-color:rgb(135, 13, 57) }
```

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

Here you see how a box with a 4 pixel rgb(135, 13, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 13, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 13, 57);  
box-shadow:4px 4px 4px 4px rgb(135, 13,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8741, 5.7342, 4.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 13, 57) }
```

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

```
.background{ background-color: rgb(135, 13,  
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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