

Converting Colors

XYZ(10.0087, 4.0075, 2.7666)

Have a look what the booklet for
XYZ(10.0087, 4.0075, 2.7666)
contains.

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Color

**XYZ(10.7902, 5.5078,
2.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	89002D
RGB	137, 0, 45
RGB Percent	54%, 0%, 18%
CMY	0.4627, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.67, 0.46
HSL	340°, 100%, 27%
HSV	340°, 100%, 54%
XYZ	10.7902, 5.5078, 2.9770
YIQ	46.0930, 67.2070, 43.0390

Conversions

Conversions Part 2

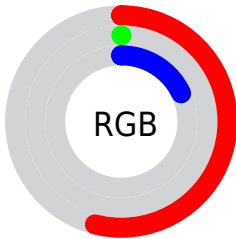
Format	Color
RYB	137, 0, 45
Decimal	8978477
CIELab	28.14, 51.87, 15.84
CIELCh	28, 54.231, 16.986
Yxy	5.5078, 0.5598, 0.2857
Android (android.graphics.Color)	4287168557 (0xFF89002D)
YUV	46.0930, -0.5388, 79.7254
Hunter-Lab	23.4687, 40.9987, 8.9072

Details

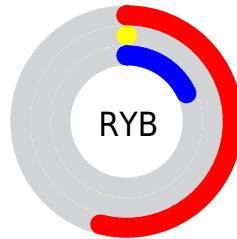
The XYZ color **10.7902, 5.5078, 2.9770** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **10.8783, 18.6644, 13.1579**, and the grayscale version is **2.6030, 2.7385, 2.9822**.

A 20% lighter version of the original color is **26.8006, 16.8543, 11.5135**, and **3.3083, 1.7055, 0.1548** is the 20% darker color. If you saturate the color by 10%, you get **10.7900, 5.5077, 2.9760**, and if you desaturate by 10%, it is **11.1403, 5.8931, 4.0651**.

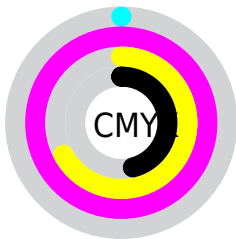
Distribution



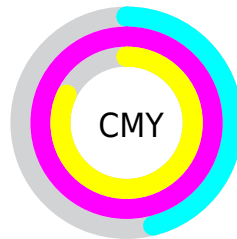
- Red (54%)
- Green (0%)
- Blue (18%)



- Red (54%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7902, 5.5078, 2.9770 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 10.7902, 5.5078, 2.9770 by changing the saturation by 10% instead.

10.7902, 5.5078,
2.9770

10.7902, 5.5078,
2.9770

190.1607,
154.6156, 136.0671

5.9922, 2.5482,
1.0829

26.9080, 16.9010,
11.5716

2.8809, 0.9007,
0.0000

38.9584, 26.1034,
19.1092

1.0911, 0.0000,
0.0000

54.1571, 38.1555,
29.3651

0.0177, 0.0000,
0.0000


72.8693, 53.4418,
42.7578

0.0000, 0.0000,
0.0000

95.4604, 72.3465,
59.7058


122.2957, 95.2541,


80.6276

 153.7407,
122.5490, 105.9419

 10.7902, 5.5078,
2.9770


 10.7902, 5.5078,
2.9770


 10.7900, 5.5077,
2.9760

 11.1403, 5.8931,
4.0651

 11.6265, 6.4848,
5.4006

 12.3029, 7.3880,
7.0121

 13.1895, 8.6394,
8.9160

 14.3035, 10.2706,
11.1272

■ 15.6603, 12.3095,
13.6595

■ 17.2739, 14.7815,
16.5258

■ 19.1572, 17.7098,
19.7382

■ 21.3223, 21.1160,
23.3082

Harmonies

Analogous

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



10.9208, 5.5078, 9.3725



10.7902, 5.5078, 2.9770



8.9216, 5.5078, 0.6191

Triad

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



10.7902, 5.5078, 2.9770



2.5964, 5.5078, 0.8049



4.2902, 5.5078, 29.1721

Complementary

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



10.7902, 5.5078, 2.9770



10.8783, 18.6644, 13.1579

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.



2.7363, 5.5078, 21.1065



10.7902, 5.5078, 2.9770



1.9723, 5.5078, 3.5483

Square

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



10.7902, 5.5078, 2.9770



4.0330, 5.5078, 0.0000



2.0145, 5.5078, 10.5769



6.6549, 5.5078, 28.5167

Rectangle

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



10.7902, 5.5078, 2.9770



7.1876, 5.5078, 0.0000



2.0145, 5.5078, 10.5769



3.6725, 5.5078, 27.2325

Sweetspot

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



10.7903, 5.5081, 2.9771



30.7251, 26.1479, 29.2301



8.8633, 4.0478, 23.9810



6.6463, 5.4877, 6.1253



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.



10.7903, 5.5081, 2.9771



19.2546, 9.8361, 4.9697



10.6199, 5.9251, 0.5843



5.0962, 5.0739, 5.5950



10.0559, 5.1325, 2.7989



0.0730, 0.0366, 0.0513

Inverse Universe

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



10.7903, 5.5081, 2.9771



19.2546, 9.8361, 4.9697



10.5519, 13.8790, 25.7897



5.0962, 5.0739, 5.5950



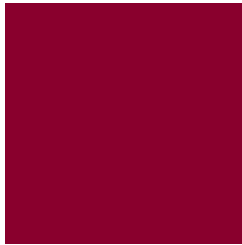
10.0559, 5.1325, 2.7989



0.0730, 0.0366, 0.0513

Previews

White Background



This preview shows how the XYZ color 10.7902, 5.5078, 2.9770 looks on a white background.

Color Contrast Check

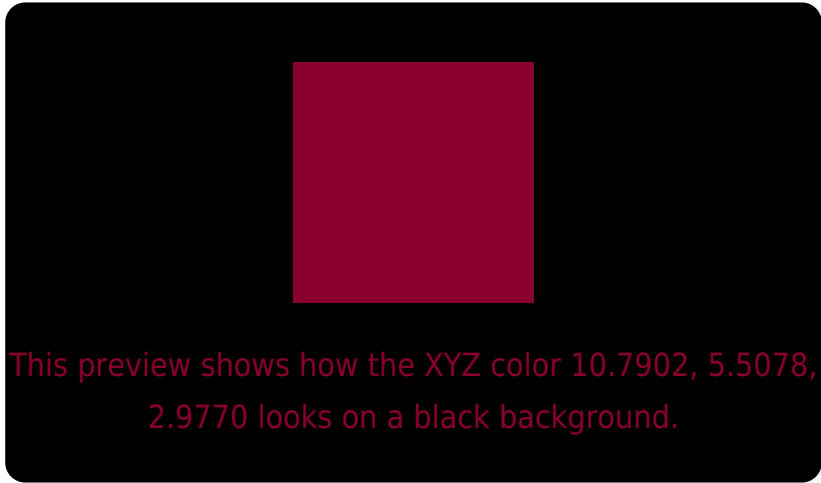
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7902, 5.5078, 2.9770

Background



This preview shows how black text looks on a background with the XYZ color 10.7902, 5.5078, 2.9770.



This preview shows how white text looks on a background with the XYZ color 10.7902, 5.5078,

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

10.7902, 5.5078, 2.9770

Protanopia

5.8460, 6.1514, 6.0335

Deuteranopia

6.1197, 6.0921, 2.7728



Tritanopia

10.4632, 5.7043, 1.0398

Trichromacy



Original Color

10.7902, 5.5078, 2.9770

Protanomaly

6.5260, 4.6691, 4.5602

Deuteranomaly

6.9730, 4.8309, 2.6628

Tritanomaly

10.4708, 5.5527, 1.5568

Monochromacy



Original Color

10.7902, 5.5078, 2.9770

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.1570, 2.7383, 2.8942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7902, 5.5078, 2.9770 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(137, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 45)  
}
```

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(137, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 10.7902, 5.5078, 2.9770 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(137, 0, 45) }
```


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

```
.border{ border-color:rgb(137, 0, 45) }
```

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

Here you see how a box with a 4 pixel rgb(137, 0, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7902, 5.5078, 2.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 45) }
```

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

```
.background{ background-color: rgb(137, 0,  
45) }
```

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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