

Converting Colors

XYZ(10.7245, 5.1239, 4.7611)

Have a look what the booklet for
XYZ(10.7245, 5.1239, 4.7611)
contains.

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Color

**XYZ(10.9690, 5.5605,
4.7701)**

Conversions

Conversions Part 1

Format	Color
Hex	88003C
RGB	136, 0, 60
RGB Percent	53%, 0%, 24%
CMY	0.4667, 0.9999, 0.7647
CMYK	0.00, 1.00, 0.56, 0.47
HSL	334°, 100%, 27%
HSV	334°, 100%, 53%
XYZ	10.9690, 5.5605, 4.7701
YIQ	47.5040, 61.7960, 47.4920

Conversions

Conversions Part 2

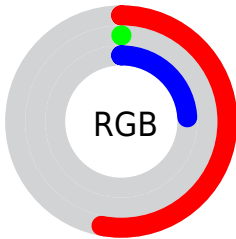
Format	Color
R_{YB}	136, 0, 60
Decimal	8912956
CIE Lab	28.28, 52.59, 5.83
CIE LCh	28, 52.913, 6.328
Yxy	5.5605, 0.5150, 0.2611
Android (android.graphics.Color)	4287103036 (0xFF88003C)
YUV	47.5040, 6.1605, 77.6110
Hunter-Lab	23.5807, 41.7663, 4.5128

Details

The XYZ color **10.9690, 5.5605, 4.7701** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **10.1094, 18.1305, 9.8071**, and the grayscale version is **2.7456, 2.8886, 3.1457**.

A 20% lighter version of the original color is **27.0921, 16.9112, 15.7462**, and **3.3336, 1.7059, 0.7258** is the 20% darker color. If you saturate the color by 10%, you get **10.9687, 5.5604, 4.7689**, and if you desaturate by 10%, it is **11.3365, 5.9506, 5.9563**.

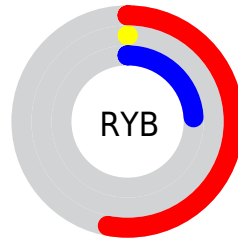
Distribution



Red (53%)

Green (0%)

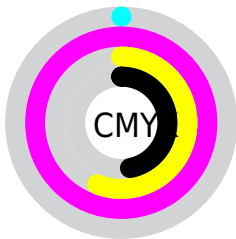
Blue (24%)



Red (53%)

Yellow (0%)

Blue (24%)

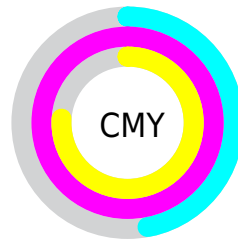


Cyan (0%)

Magenta (100%)

Yellow (56%)

Black (47%)



Cyan (47%)


Magenta (100%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9690, 5.5605, 4.7701 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 10.9690, 5.5605, 4.7701 by changing the saturation by 10% instead.


 10.9690, 5.5605,
4.7701


 10.9690, 5.5605,
4.7701


191.3674,
155.1013, 156.4349


 6.1131, 2.5797,
2.0566


 27.2363, 17.0122,
15.7501


 2.9553, 0.9165,
0.5898

 39.3784, 26.2519,
24.8538


 1.1302, 0.0000,
0.0000

 54.6800, 38.3468,
36.9246

 0.0501, 0.0000,
0.0000


 73.5064, 53.6811,
52.3811


 0.0000, 0.0000,
0.0000


 96.2230, 72.6393,
71.6419

 123.1952, 95.6058,


95.1254


 154.7882,
122.9650, 123.2502


 10.9690, 5.5605,
4.7701

 10.9690, 5.5605,
4.7701


 10.9687, 5.5604,
4.7689

 11.3365, 5.9506,
5.9563

 11.8272, 6.5388,
7.3316

 12.4937, 7.4289,
8.9192

 13.3547, 8.6565,
10.7302

 14.4263, 10.2523,
12.7749

■ 15.7228, 12.2435,
15.0629

■ 17.2573, 14.6545,
17.6028

■ 19.0418, 17.5080,
20.4030

■ 21.0873, 20.8250,
23.4714

Harmonies

Analogous

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



10.4202, 5.5605, 12.6466



10.9690, 5.5605, 4.7701



9.6767, 5.5605, 1.2395

Triad

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



10.9690, 5.5605, 4.7701



3.0852, 5.5605, 0.4280



3.7093, 5.5605, 26.4540

Complementary

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



10.9690, 5.5605, 4.7701



10.1094, 18.1305, 9.8071

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.



2.4757, 5.5605, 16.9946



10.9690, 5.5605, 4.7701



2.1948, 5.5605, 2.2758

Square

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



10.9690, 5.5605, 4.7701



4.8152, 5.5605, 0.0000



2.0093, 5.5605, 7.5508



5.7846, 5.5605, 29.1681

Rectangle

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



10.9690, 5.5605, 4.7701



8.1163, 5.5605, 0.3296



2.0093, 5.5605, 7.5508



3.2032, 5.5605, 23.7385

Sweetspot

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



10.9691, 5.5608, 4.7702



30.2200, 25.5205, 30.7108



7.3307, 3.2660, 23.5366



6.7597, 5.5331, 6.7224



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.



10.9691, 5.5608, 4.7702



19.2545, 9.7688, 8.0060



10.2274, 5.3822, 0.5003



5.1185, 5.0829, 5.7127



10.3861, 5.2646, 4.5376



0.0762, 0.0378, 0.0679

Inverse Universe

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



10.9691, 5.5608, 4.7702



19.2545, 9.7688, 8.0060



12.3209, 17.5312, 26.0271



5.1185, 5.0829, 5.7127



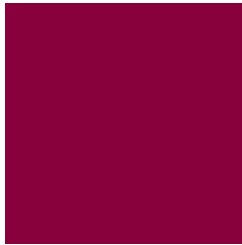
10.3861, 5.2646, 4.5376



0.0762, 0.0378, 0.0679

Previews

White Background



This preview shows how the XYZ color 10.9690, 5.5605, 4.7701 looks on a white background.

Color Contrast Check

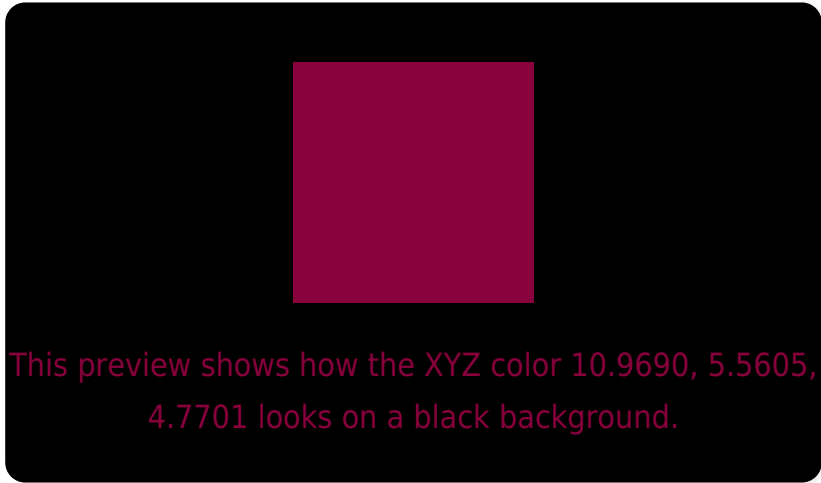
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9690, 5.5605, 4.7701

Background



This preview shows how black text looks on a background with the XYZ color 10.9690, 5.5605, 4.7701.



This preview shows how white text looks on a background with the XYZ color 10.9690, 5.5605,

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

10.9690, 5.5605, 4.7701

Protanopia

6.1572, 6.2267, 9.8942

Deuteranopia

6.1527, 6.0745, 4.3382



Tritanopia

10.4730, 5.8660, 1.3909

Trichromacy



Original Color

10.9690, 5.5605, 4.7701

Protanomaly

6.5923, 4.6367, 7.5687

Deuteranomaly

7.0572, 4.8381, 4.3033

Tritanomaly

10.4809, 5.6199, 2.2014

Monochromacy



Original Color

10.9690, 5.5605, 4.7701

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.4181, 2.9334, 3.5822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9690, 5.5605, 4.7701 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(136, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 60)  
}
```

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(136, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 10.9690, 5.5605, 4.7701 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(136, 0, 60) }
```


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

```
.border{ border-color:rgb(136, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(136, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9690, 5.5605, 4.7701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 60) }
```

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

```
.background{ background-color: rgb(136, 0,  
60) }
```

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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