

Converting Colors

XYZ(9.0382, 2.5595, 12.7797)

Have a look what the booklet for
XYZ(9.0382, 2.5595, 12.7797)
contains.

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Color

**XYZ(10.3333, 5.0442,
13.2610)**

Conversions

Conversions Part 1

Format	Color
Hex	790067
RGB	121, 0, 103
RGB Percent	47%, 0%, 40%
CMY	0.5255, 1.0000, 0.5961
CMYK	0.00, 1.00, 0.15, 0.53
HSL	309°, 100%, 24%
HSV	309°, 100%, 47%
XYZ	10.3333, 5.0442, 13.2610
YIQ	47.9210, 39.0530, 57.6850

Conversions

Conversions Part 2

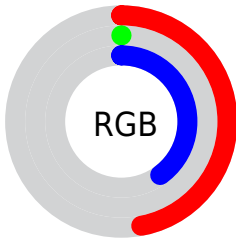
Format	Color
R_{YB}	121, 0, 103
Decimal	7929959
CIE _{Lab}	26.86, 53.89, -25.24
CIE _{LCh}	27, 59.511, 334.905
Yxy	5.0442, 0.3608, 0.1761
Android (android.graphics.Color)	4286120039 (0xFF790067)
YUV	47.9210, 27.1539, 64.0903
Hunter-Lab	22.4593, 42.8223, -19.2860

Details

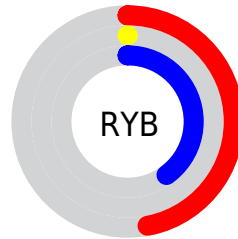
The XYZ color **10.3333, 5.0442, 13.2610** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.9468, 13.7185, 2.8545**, and the grayscale version is **2.7700, 2.9142, 3.1736**.

A 20% lighter version of the original color is **26.0923, 15.9364, 32.2727**, and **3.0735, 1.5048, 3.7429** is the 20% darker color. If you saturate the color by 10%, you get **10.3333, 5.0442, 13.2607**, and if you desaturate by 10%, it is **10.5575, 5.3464, 13.7864**.

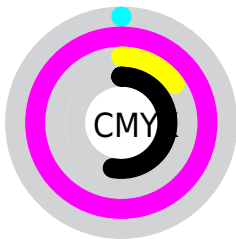
Distribution



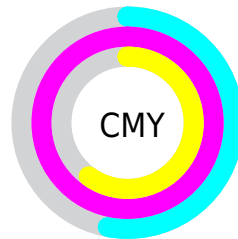
- Red (47%)
- Green (0%)
- Blue (40%)



- Red (47%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (53%)





- Cyan (53%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3333, 5.0442, 13.2610 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 10.3333, 5.0442, 13.2610 by changing the saturation by 10% instead.


 10.3333, 5.0442,
13.2610

 10.3333, 5.0442,
13.2610

187.0390,
150.2491, 223.8499


 5.6845, 2.2732,
7.4757


 26.0646, 15.9131,
32.4699


 2.6930, 0.7595,
3.6784

 37.8777, 24.7799,
46.7306


 0.9936, 0.0000,
1.4506

 52.8097, 36.4473,
64.6535

 0.0000, 0.0000,
0.1807

 71.2258, 51.2999,
86.6571


 0.0000, 0.0000,
0.0000


 93.4914, 69.7220,
113.1601


 119.9719, 92.0979,

144.5808

 151.0326,
118.8122, 181.3379


 10.3333, 5.0442,
13.2610

 10.3333, 5.0442,
13.2610

 10.3333, 5.0442,
13.2607

 10.5575, 5.3464,
13.7864

 10.8490, 5.7801,
14.3439

 11.2536, 6.4368,
14.9487

 11.7844, 7.3427,
15.6054

 12.4526, 8.5203,
16.3178

■ 13.2681, 9.9894,
17.0891

■ 14.2401, 11.7681,
17.9226

■ 15.3769, 13.8731,
18.8210

■ 16.6861, 16.3199,
19.7869

Harmonies

Analogous

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



7.9643, 5.0442, 25.1436



10.3333, 5.0442, 13.2610



11.0507, 5.0442, 4.4340

Triad

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



10.3333, 5.0442, 13.2610



4.4090, 5.0442, 0.0000



1.9101, 5.0442, 17.1216

Complementary

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



10.3333, 5.0442, 13.2610



6.9468, 13.7185, 2.8545

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.



1.5012, 5.0442, 6.7068



10.3333, 5.0442, 13.2610



2.6018, 5.0442, 0.0000

Square

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



10.3333, 5.0442, 13.2610



7.0401, 5.0442, 0.0000



1.7035, 5.0442, 1.5679



3.0856, 5.0442, 28.4033

Rectangle

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



10.3333, 5.0442, 13.2610



10.3441, 5.0442, 1.5852



1.7035, 5.0442, 1.5679



1.7002, 5.0442, 13.1894

Sweetspot

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



10.3335, 5.0445, 13.2611



25.3582, 20.8120, 31.9774



3.6674, 1.4921, 18.1839



5.6584, 4.5021, 7.1944



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.3335, 5.0445, 13.2611



18.4638, 9.0167, 23.5339



8.3470, 4.2498, 2.8002



4.1301, 4.0678, 4.8827



11.0705, 5.4043, 14.1940



52.5600, 25.6804, 66.4043

Inverse Universe

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



10.3335, 5.0445, 13.2611



18.4638, 9.0167, 23.5339



8.1643, 14.2056, 9.2658



4.1301, 4.0678, 4.8827



11.0705, 5.4043, 14.1940



52.5600, 25.6804, 66.4043

Previews

White Background



This preview shows how the XYZ color 10.3333, 5.0442, 13.2610 looks on a white background.

Color Contrast Check

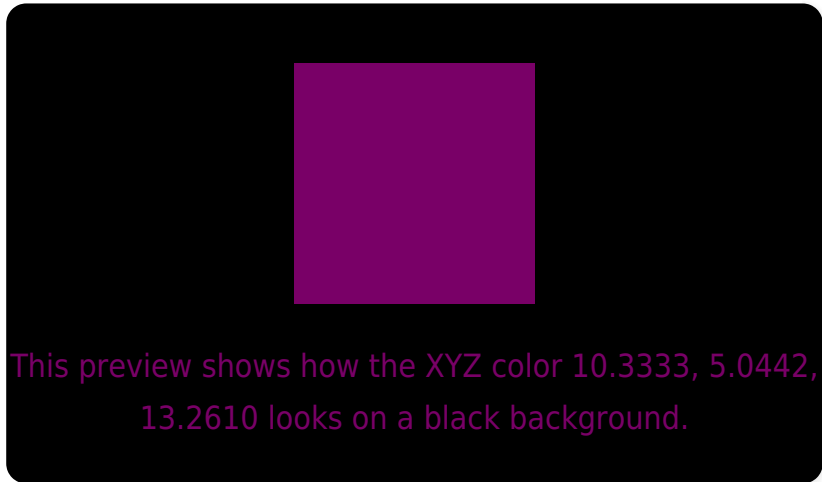
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3333, 5.0442, 13.2610

Background



This preview shows how black text looks on a background with the XYZ color 10.3333, 5.0442, 13.2610.



This preview shows how white text looks on a background with the XYZ color 10.3333, 5.0442, 13.2610.

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

10.3333, 5.0442, 13.2610

Protanopia

6.4057, 5.5867, 24.4076

Deuteranopia

5.6814, 5.5717, 12.0853



Tritanopia

8.4314, 5.4733, 2.8976

Trichromacy



Original Color

10.3333, 5.0442, 13.2610

Protanomaly

5.5333, 3.6020, 19.8057

Deuteranomaly

6.3045, 4.2190, 12.2865

Tritanomaly

8.7947, 4.9720, 5.4972

Monochromacy



Original Color

10.3333, 5.0442, 13.2610

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.4350, 2.8932, 5.7935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3333, 5.0442, 13.2610 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(121, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 103)  
}
```

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(121, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 10.3333, 5.0442, 13.2610 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(121, 0, 103) }
```


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

```
.border{ border-color:rgb(121, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(121, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3333, 5.0442, 13.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 103) }
```

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

```
.background{ background-color: rgb(121, 0,  
103) }
```

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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