

Converting Colors

XYZ(10.7989, 5.0099, 28.7480)

Have a look what the booklet for
XYZ(10.7989, 5.0099, 28.7480)
contains.

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Color

**XYZ(10.8351, 5.0235,
28.8323)**

Conversions

Conversions Part 1

Format	Color
Hex	650495
RGB	101, 4, 149
RGB Percent	40%, 2%, 58%
CMY	0.6039, 0.9843, 0.4157
CMYK	0.32, 0.97, 0.00, 0.42
HSL	280°, 95%, 30%
HSV	280°, 97%, 58%
XYZ	10.8351, 5.0235, 28.8323
YIQ	49.5330, 11.2670, 65.6590

Conversions

Conversions Part 2

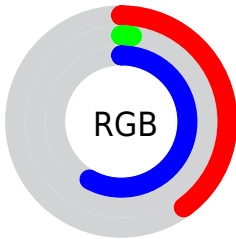
Format	Color
RYB	101, 4, 149
Decimal	6620309
CIELab	26.80, 57.95, -54.64
CIElCh	27, 79.643, 316.686
Yxy	5.0235, 0.2424, 0.1124
Android (android.graphics.Color)	4284810389 (0xFF650495)
YUV	49.5330, 49.0372, 45.1366
Hunter-Lab	22.4132, 47.0684, -60.5814

Details

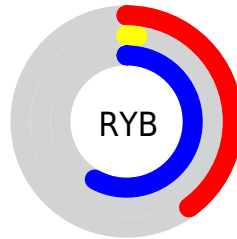
The XYZ color **10.8351, 5.0235, 28.8323** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.1856, 22.2338, 3.7642**, and the grayscale version is **2.9251, 3.0775, 3.3514**.

A 20% lighter version of the original color is **26.9939, 15.9080, 58.7746**, and **3.2399, 1.4210, 11.4128** is the 20% darker color. If you saturate the color by 10%, you get **10.6448, 4.8609, 28.8111**, and if you desaturate by 10%, it is **11.5922, 5.6926, 28.9216**.

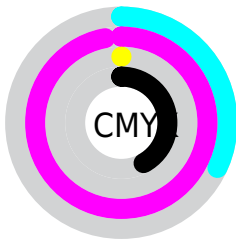
Distribution



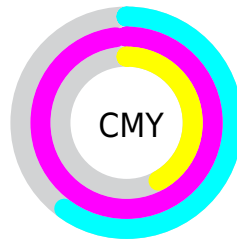
- Red (40%)
- Green (2%)
- Blue (58%)



- Red (40%)
- Yellow (2%)
- Blue (58%)



- Cyan (32%)
- Magenta (97%)
- Yellow (0%)
- Black (42%)



- Cyan (60%)
- Magenta (98%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8351, 5.0235, 28.8323 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 10.8351, 5.0235, 28.8323 by changing the saturation by 10% instead.

10.8351, 5.0235,
28.8323

10.8351, 5.0235,
28.8323

190.4645,
150.0500, 310.4590

6.0225, 2.2611,
18.7095

26.9905, 15.8686,
58.8495

2.8996, 0.7530,
11.2859

39.0640, 24.7200,
79.5811

1.1009, 0.0000,
6.1429

54.2886, 36.3699,
104.6859

0.0259, 0.0000,
2.8620

73.0296, 51.2027,
134.5826

0.0000, 0.0000,
1.0246

95.6523, 69.6027,
169.6898

0.0000, 0.0000,
0.0000

122.5221, 91.9543,

210.4259

154.0044,
118.6419, 257.2094

10.8351, 5.0235,
28.8323

10.8351, 5.0235,
28.8323

10.6448, 4.8609,
28.8111

11.5922, 5.6926,
28.9216

12.5301, 6.6736,
29.0616

13.6866, 8.0410,
29.2646

15.0835, 9.8377,
29.5377

16.7398, 12.1005,
29.8872

■ 18.6723, 14.8626,
30.3185

■ 20.8963, 18.1539,
30.8365

■ 23.4260, 22.0018,
31.4459

■ 26.2745, 26.4319,
32.1509

Harmonies

Analogous

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



6.7793, 5.0235, 46.0137



10.8351, 5.0235, 28.8323



13.6740, 5.0235, 10.6456

Triad

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



10.8351, 5.0235, 28.8323



6.3450, 5.0235, 0.0000



0.9632, 5.0235, 12.2930

Complementary

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



10.8351, 5.0235, 28.8323



12.1856, 22.2338, 3.7642

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.



0.9312, 5.0235, 2.3211



10.8351, 5.0235, 28.8323



3.2102, 5.0235, 0.0000

Square

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



10.8351, 5.0235, 28.8323



10.3969, 5.0235, 0.0000



1.5407, 5.0235, 0.0000



1.6649, 5.0235, 31.1221

Rectangle

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



10.8351, 5.0235, 28.8323



13.9259, 5.0235, 3.6561



1.5407, 5.0235, 0.0000



0.8900, 5.0235, 7.8015

Sweetspot

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



10.8354, 5.0237, 28.8324



36.4692, 31.0845, 54.9990



6.7179, 4.6818, 28.9834



7.7374, 6.3775, 12.1080



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.



10.8354, 5.0237, 28.8324



18.8671, 8.6041, 51.5876



16.1290, 7.9529, 20.0314



5.8507, 5.8140, 7.2836



8.9912, 4.1077, 24.2500



0.1413, 0.0664, 0.2983

Inverse Universe

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



13.0577, 6.7244, 3.8586



23.1266, 11.8148, 5.9349



11.0092, 21.6054, 4.6993



5.8753, 5.8452, 6.4493



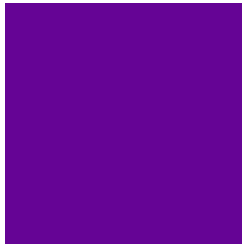
10.9166, 5.5717, 3.0419



0.1462, 0.0732, 0.1034

Previews

White Background



This preview shows how the XYZ color 10.8351, 5.0235, 28.8323 looks on a white background.

Color Contrast Check

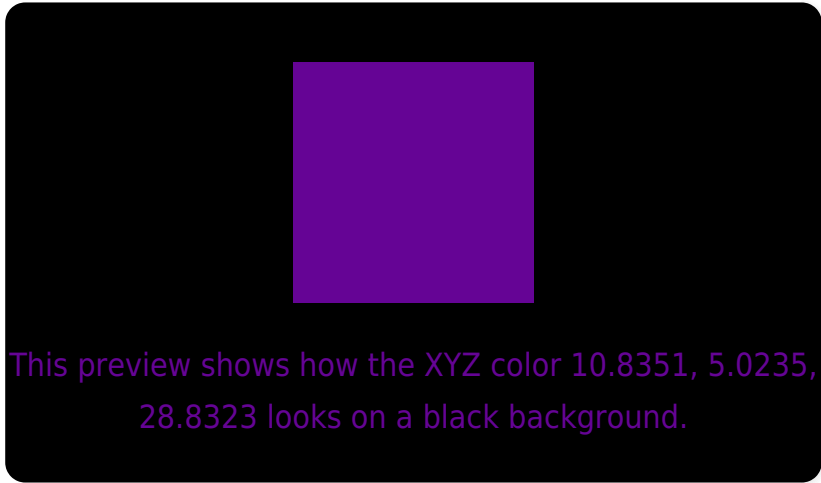
Large Text (above 18pt) WCAG AA ✓ Pass

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

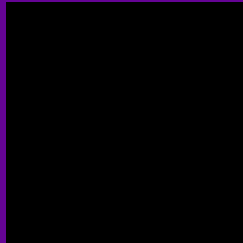
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.8351, 5.0235, 28.8323

Background



This preview shows how black text looks on a background with the XYZ color 10.8351, 5.0235, 28.8323.



This preview shows how white text looks on a background with the XYZ color 10.8351, 5.0235,

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

10.8351, 5.0235, 28.8323

Protanopia

6.1365, 5.3880, 23.2708

Deuteranopia

5.2195, 5.3952, 17.2893



Tritanopia

6.2480, 5.3634, 5.4086

Trichromacy



Original Color

10.8351, 5.0235, 28.8323

Protanomaly

6.2511, 3.9133, 24.8520

Deuteranomaly

5.5976, 3.8286, 20.8660

Tritanomaly

7.0279, 4.4185, 11.0721

Monochromacy



Original Color

10.8351, 5.0235, 28.8323

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.6778, 3.0248, 9.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8351, 5.0235, 28.8323 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(101, 4, 149)` looks like.

```
.text, #text, p{  
    color:rgb(101, 4, 149)  
}
```

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(101, 4, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 4, 149) }
```

Border

The CSS property to change the border of an element to XYZ 10.8351, 5.0235, 28.8323 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(101, 4, 149) }
```


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

```
.border{ border-color:rgb(101, 4, 149) }
```

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

Here you see how a box with a 4 pixel rgb(101, 4, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 4, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 4, 149);  
box-shadow:4px 4px 4px 4px rgb(101, 4,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8351, 5.0235, 28.8323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 4, 149) }
```

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

```
.background{ background-color: rgb(101, 4,  
149) }
```

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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