

Converting Colors

XYZ(10.2158, 4.7545, 6.2602)

Have a look what the booklet for
XYZ(10.2158, 4.7545, 6.2602)
contains.

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Color

**XYZ(10.4974, 5.2802,
6.4271)**

Conversions

Conversions Part 1

Format	Color
Hex	830047
RGB	131, 0, 71
RGB Percent	51%, 0%, 28%
CMY	0.4863, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.46, 0.49
HSL	327°, 100%, 26%
HSV	327°, 100%, 51%
XYZ	10.4974, 5.2802, 6.4271
YIQ	47.2630, 55.2850, 49.8530

Conversions

Conversions Part 2

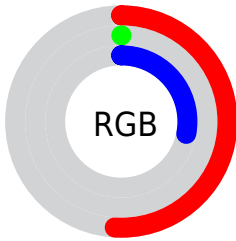
Format	Color
RYB	131, 0, 71
Decimal	8585287
CIELab	27.52, 52.31, -2.84
CIELCh	28, 52.390, 356.893
Yxy	5.2802, 0.4728, 0.2378
Android (android.graphics.Color)	4286775367 (0xFF830047)
YUV	47.2630, 11.7023, 73.4373
Hunter-Lab	22.9787, 41.3318, -0.4982

Details

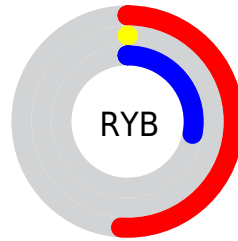
The XYZ color **10.4974, 5.2802, 6.4271** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **8.9324, 16.5591, 7.0022**, and the grayscale version is **2.7144, 2.8558, 3.1099**.

A 20% lighter version of the original color is **26.2590, 16.4036, 19.2350**, and **3.1113, 1.5797, 1.2395** is the 20% darker color. If you saturate the color by 10%, you get **10.4972, 5.2802, 6.4261**, and if you desaturate by 10%, it is **10.8450, 5.6519, 7.5406**.

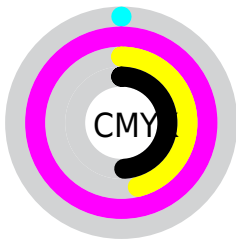
Distribution



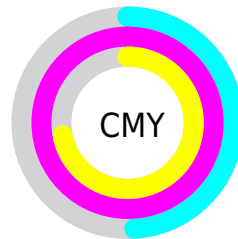
- Red (51%)
- Green (0%)
- Blue (28%)



- Red (51%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (49%)





- Cyan (49%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4974, 5.2802, 6.4271 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 10.4974, 5.2802, 6.4271 by changing the saturation by 10% instead.


 10.4974, 5.2802,
6.4271


 10.4974, 5.2802,
6.4271


188.1666,
152.4935, 172.2608


 5.7948, 2.4126,
3.0335

 26.3682, 16.4183,
19.3039


 2.7602, 0.8324,
1.1118


 38.2671, 25.4576,
29.6242

 1.0282, 0.0000,
0.0000

 53.2955, 37.3229,
43.0905

 0.0000, 0.0000,
0.0000

 71.8186, 52.3986,
60.1214

 94.2020, 71.0691,
81.1353

 120.8108, 93.7189,

106.5508

152.0106,
120.7322, 136.7865

10.4974, 5.2802,
6.4271

10.4974, 5.2802,
6.4271

10.4972, 5.2802,
6.4261

10.8450, 5.6519,
7.5406

11.2956, 6.1981,
8.7849

11.8992, 7.0183,
10.1791

12.6722, 8.1446,
11.7312

13.6291, 9.6047,
13.4482

■ 14.7823, 11.4232,
15.3367

■ 16.1433, 13.6223,
17.4025

■ 17.7227, 16.2224,
19.6514

■ 19.5303, 19.2425,
22.0886

Harmonies

Analogous

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



9.4293, 5.2802, 15.1549



10.4974, 5.2802, 6.4271



9.7807, 5.2802, 1.8412

Triad

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



10.4974, 5.2802, 6.4271



3.3468, 5.2802, 0.0504



3.0544, 5.2802, 22.8874

Complementary

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



10.4974, 5.2802, 6.4271



8.9324, 16.5591, 7.0022

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.



2.1250, 5.2802, 13.0980



10.4974, 5.2802, 6.4271



2.2561, 5.2802, 1.3610

Square

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



10.4974, 5.2802, 6.4271



5.2501, 5.2802, 0.0000



1.8819, 5.2802, 5.1208



4.7942, 5.2802, 28.1071

Rectangle

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



10.4974, 5.2802, 6.4271



8.4756, 5.2802, 0.6430



1.8819, 5.2802, 5.1208



2.6586, 5.2802, 19.7850

Sweetspot

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



10.4975, 5.2805, 6.4272



28.7255, 24.0951, 30.8939



5.8980, 2.5675, 21.6575



6.4749, 5.2640, 6.8748



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.4975, 5.2805, 6.4272



18.7196, 9.4242, 11.0934



9.3962, 4.8400, 0.6274



4.7702, 4.7278, 5.4024



10.3343, 5.1981, 6.3326



0.0395, 0.0195, 0.0414

Inverse Universe

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



10.4975, 5.2805, 6.4272



18.7196, 9.4242, 11.0934



11.7831, 17.6994, 22.0138



4.7702, 4.7278, 5.4024



10.3343, 5.1981, 6.3326



0.0395, 0.0195, 0.0414

Previews

White Background



This preview shows how the XYZ color 10.4974, 5.2802, 6.4271 looks on a white background.

Color Contrast Check

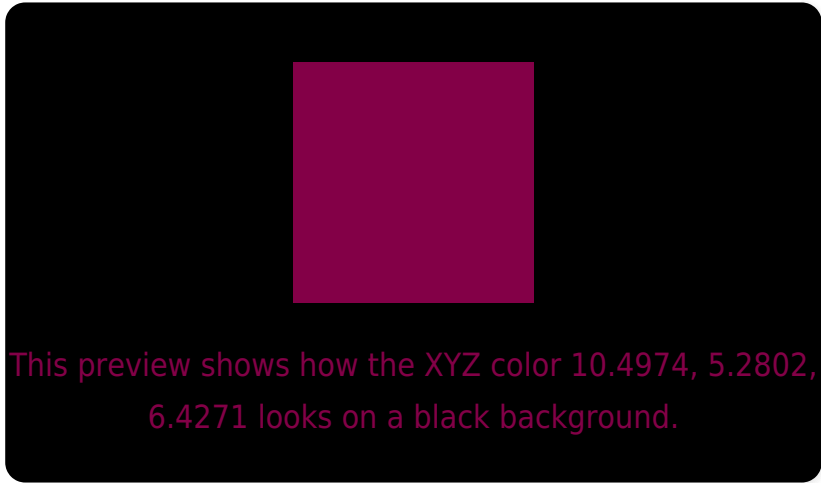
Large Text (above 18pt) WCAG AA ✓ Pass

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

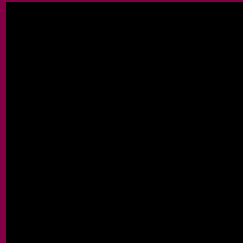
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4974, 5.2802, 6.4271

Background



This preview shows how black text looks on a background with the XYZ color 10.4974, 5.2802, 6.4271.



This preview shows how white text looks on a background with the XYZ color 10.4974, 5.2802, 6.4271.

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

10.4974, 5.2802, 6.4271

Protanopia

6.0928, 5.8435, 13.3772

Deuteranopia

5.8828, 5.8146, 5.8133



Tritanopia

9.6903, 5.5863, 1.7299

Trichromacy



Original Color

10.4974, 5.2802, 6.4271

Protanomaly

6.4084, 4.3679, 10.4029

Deuteranomaly

6.6650, 4.5480, 5.8368

Tritanomaly

9.8769, 5.3603, 2.8969

Monochromacy



Original Color

10.4974, 5.2802, 6.4271

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.3200, 2.8338, 4.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4974, 5.2802, 6.4271 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(131, 0, 71)` looks like.

```
.text, #text, p{  
  color:rgb(131, 0, 71)  
}
```

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(131, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 10.4974, 5.2802, 6.4271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

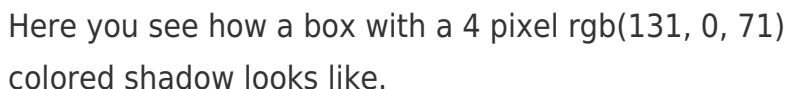
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 0, 71) }
```


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

```
.border{ border-color:rgb(131, 0, 71) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(131, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4974, 5.2802, 6.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 71) }
```

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

```
.background{ background-color: rgb(131, 0,  
71) }
```

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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