

Converting Colors

XYZ(10.7471, 6.4405, 7.0644)

Have a look what the booklet for
XYZ(10.7471, 6.4405, 7.0644)
contains.

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Color

**XYZ(10.7978, 6.4565,
6.9804)**

Conversions

Conversions Part 1

Format	Color
Hex	802649
RGB	128, 38, 73
RGB Percent	50%, 15%, 29%
CMY	0.4980, 0.8510, 0.7137
CMYK	0.00, 0.70, 0.43, 0.50
HSL	337°, 54%, 33%
HSV	337°, 70%, 50%
XYZ	10.7978, 6.4565, 6.9804
YIQ	68.9000, 42.4050, 29.9650

Conversions

Conversions Part 2

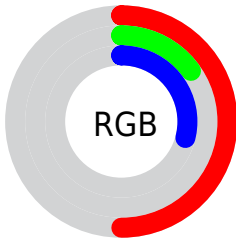
Format	Color
R_{YB}	128, 38, 73
Decimal	8398409
CIE Lab	30.54, 41.57, 0.19
CIE LCh	31, 41.574, 0.261
Yxy	6.4565, 0.4456, 0.2664
Android (android.graphics.Color)	4286588489 (0xFF802649)
YUV	68.9000, 2.0213, 51.8307
Hunter-Lab	25.4096, 31.3865, 1.4989

Details

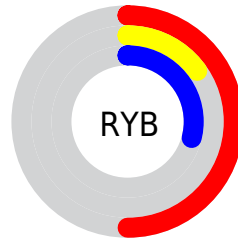
The XYZ color **10.7978, 6.4565, 6.9804** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **10.4948, 16.6409, 13.0162**, and the grayscale version is **5.6326, 5.9260, 6.4534**.

A 20% lighter version of the original color is **26.8745, 18.8832, 20.3175**, and **3.0584, 1.5496, 1.3662** is the 20% darker color. If you saturate the color by 10%, you get **10.2134, 5.6770, 5.5855**, and if you desaturate by 10%, it is **11.5560, 7.5314, 8.5944**.

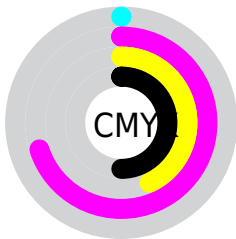
Distribution



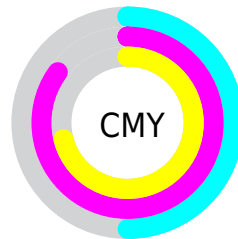
- Red (50%)
- Green (15%)
- Blue (29%)



- Red (50%)
- Yellow (15%)
- Blue (29%)



- Cyan (0%)
- Magenta (70%)
- Yellow (43%)
- Black (50%)





- Cyan (50%)
- Magenta (85%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7978, 6.4565, 6.9804 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 10.7978, 6.4565, 6.9804 by changing the saturation by 10% instead.


 10.7978, 6.4565,
6.9804


 10.7978, 6.4565,
6.9804


190.2121,
163.0681, 177.1255


 5.9973, 3.1246,
3.3716


 26.9219, 18.8712,
20.4460


 2.8841, 1.1971,
1.2874

 38.9763, 28.7227,
31.1398


 1.0928, 0.0594,
0.0514

 54.1793, 41.5163,
45.0324

 0.0191, 0.0000,
0.0000

 72.8964, 57.6363,
62.5423

 0.0000, 0.0000,
0.0000

 95.4929, 77.4670,
84.0880

 122.3341,

101.3930, 110.0881

153.7854,
129.7985, 140.9610

■ 10.7978, 6.4565,
6.9804

■ 10.7978, 6.4565,
6.9804

■ 10.2134, 5.6770,
5.5855

■ 11.5560, 7.5314,
8.5944

■ 9.7859, 5.1610,
4.3978

■ 12.5017, 8.9271,
10.4375

■ 9.4729, 4.8175,
3.4225

■ 13.6475, 10.6674,
12.5194

■ 15.0051, 12.7737,
14.8491

■ 16.5850, 15.2655,
17.4349

■ 18.3970, 18.1610,
20.2849

■ 20.4504, 21.4772,
23.4068

■ 22.7539, 25.2300,
26.8077

■ 25.3157, 29.4347,
30.4948

Harmonies

Analogous

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



10.0818, 6.4565, 13.9635



10.7978, 6.4565, 6.9804



10.0577, 6.4565, 2.8359

Triad

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



10.7978, 6.4565, 6.9804



4.4077, 6.4565, 1.1853



4.4319, 6.4565, 21.4277

Complementary

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



10.7978, 6.4565, 6.9804



10.4948, 16.6409, 13.0162

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.



3.3958, 6.4565, 14.1001



10.7978, 6.4565, 6.9804



3.3841, 6.4565, 2.8832

Square

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



10.7978, 6.4565, 6.9804



6.1194, 6.4565, 0.7743



3.0573, 6.4565, 7.0799



6.1541, 6.4565, 24.5978

Rectangle

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



10.7978, 6.4565, 6.9804



8.9135, 6.4565, 1.5304



3.0573, 6.4565, 7.0799



4.0063, 6.4565, 19.2259

Sweetspot

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



10.7980, 6.4569, 6.9805



28.8527, 26.3254, 30.1378



9.0035, 5.2206, 20.9552



6.6001, 5.9179, 6.8050



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.7980, 6.4569, 6.9805



17.5270, 9.4310, 8.6143



10.2688, 6.7626, 2.5984



4.3916, 4.3698, 4.8667



9.3937, 4.7772, 3.3971



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7980, 6.4569, 6.9805



17.5270, 9.4310, 8.6143



11.2927, 15.1645, 22.7539



4.3916, 4.3698, 4.8667



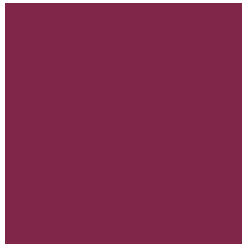
9.3937, 4.7772, 3.3971



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7978, 6.4565, 6.9804 looks on a white background.

Color Contrast Check

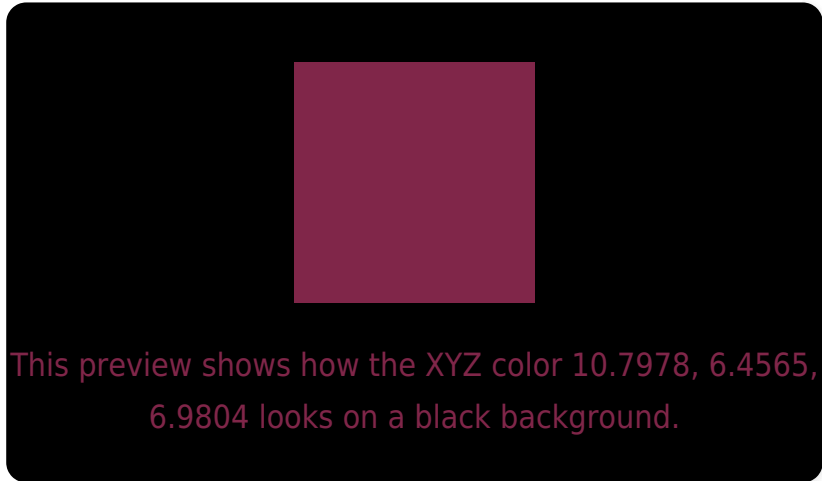
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7978, 6.4565, 6.9804

Background



This preview shows how black text looks on a background with the XYZ color 10.7978, 6.4565, 6.9804.



This preview shows how white text looks on a background with the XYZ color 10.7978, 6.4565,

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

10.7978, 6.4565, 6.9804

Protanopia

6.7216, 6.6718, 11.5232

Deuteranopia

6.8071, 6.7300, 6.5705



Tritanopia

10.0180, 6.4422, 3.4048

Trichromacy



Original Color

10.7978, 6.4565, 6.9804

Protanomaly

7.5120, 6.0773, 9.5812

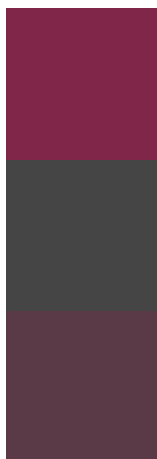
Deuteranomaly

7.8150, 6.2228, 6.5836

Tritanomaly

10.2942, 6.4535, 4.4445

Monochromacy



Original Color

10.7978, 6.4565, 6.9804

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

6.8350, 5.6420, 6.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7978, 6.4565, 6.9804 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(128, 38, 73)` looks like.

```
.text, #text, p{  
    color:rgb(128, 38, 73)  
}
```

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(128, 38, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 38, 73) }
```

Border

The CSS property to change the border of an element to XYZ 10.7978, 6.4565, 6.9804 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(128, 38, 73) }
```


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

```
.border{ border-color:rgb(128, 38, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 38, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 38, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 38, 73);  
box-shadow:4px 4px 4px 4px rgb(128, 38,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7978, 6.4565, 6.9804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 38, 73) }
```

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

```
.background{ background-color: rgb(128, 38,  
73) }
```

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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