

Converting Colors

XYZ(10.7806, 6.8719, 8.0018)

Have a look what the booklet for
XYZ(10.7806, 6.8719, 8.0018)
contains.

XYZ(10.8096, 6.8640, 7.9629)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.8096, 6.8640,
7.9629)**

Conversions

Conversions Part 1

Format	Color
Hex	7D2E4E
RGB	125, 46, 78
RGB Percent	49%, 18%, 31%
CMY	0.5098, 0.8196, 0.6941
CMYK	0.00, 0.63, 0.38, 0.51
HSL	336°, 46%, 34%
HSV	336°, 63%, 49%
XYZ	10.8096, 6.8640, 7.9629
YIQ	73.2690, 36.8120, 26.7000

Conversions

Conversions Part 2

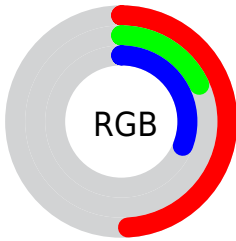
Format	Color
R_{YB}	125, 46, 78
Decimal	8203854
CIE _{Lab}	31.50, 37.53, -1.75
CIE _{LCh}	31, 37.568, 357.332
Yxy	6.8640, 0.4216, 0.2677
Android (android.graphics.Color)	4286393934 (0xFF7D2E4E)
YUV	73.2690, 2.3324, 45.3681
Hunter-Lab	26.1992, 27.7990, 0.3191

Details

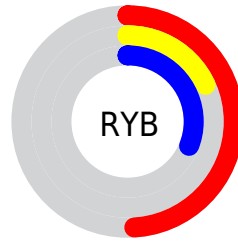
The XYZ color **10.8096, 6.8640, 7.9629** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **10.4365, 16.0386, 12.9025**, and the grayscale version is **6.3717, 6.7035, 7.3002**.

A 20% lighter version of the original color is **26.8360, 19.6013, 22.4477**, and **2.9612, 1.4932, 1.6455** is the 20% darker color. If you saturate the color by 10%, you get **10.1388, 5.9252, 6.4973**, and if you desaturate by 10%, it is **11.6532, 8.1000, 9.6350**.

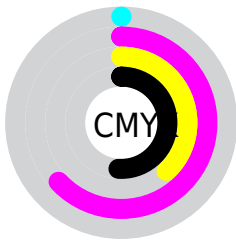
Distribution



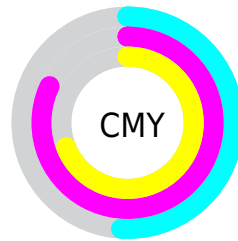
- Red (49%)
- Green (18%)
- Blue (31%)



- Red (49%)
- Yellow (18%)
- Blue (31%)



- Cyan (0%)
- Magenta (63%)
- Yellow (38%)
- Black (51%)



- Cyan (51%)
- Magenta (82%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8096, 6.8640, 7.9629 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 10.8096, 6.8640, 7.9629 by changing the saturation by 10% instead.

10.8096, 6.8640,
7.9629

10.8096, 6.8640,
7.9629

190.2920,
166.5288, 185.3645

6.0053, 3.3772,
3.9838

26.9436, 19.6991,
22.4307

2.8890, 1.3317,
1.6165

39.0041, 29.8162,
33.7564

1.0953, 0.1655,
0.3025

54.2139, 42.9121,
48.3680

0.0212, 0.0000,
0.0000

72.9386, 59.3713,
66.6842

0.0000, 0.0000,
0.0000

95.5433, 79.5782,
89.1234

122.3936,

103.9172, 116.1041

153.8547,
132.7726, 148.0450

■ 10.8096, 6.8640,
7.9629

■ 10.8096, 6.8640,
7.9629

■ 10.1388, 5.9252,
6.4973

■ 11.6532, 8.1000,
9.6350

■ 9.6265, 5.2568,
5.2284

■ 12.6812, 9.6551,
11.5221

■ 9.2560, 4.8271,
4.1455

■ 13.9048, 11.5501,
13.6323

■ 9.0469, 4.5958,
3.4996

■ 15.3341, 13.8038,
15.9735

■ 16.9786, 16.4338,
18.5529

■ 18.8469, 19.4564,
21.3774

■ 20.9475, 22.8868,
24.4537

■ 23.2881, 26.7395,
27.7880

■ 25.8763, 31.0284,
31.3866

Harmonies

Analogous

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



10.0386, 6.8640, 14.5143



10.8096, 6.8640, 7.9629



10.2631, 6.8640, 3.6759

Triad

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



10.8096, 6.8640, 7.9629



5.0100, 6.8640, 1.5541



4.7710, 6.8640, 19.9072

Complementary

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



10.8096, 6.8640, 7.9629



10.4365, 16.0386, 12.9025

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.



3.8252, 6.8640, 13.2612



10.8096, 6.8640, 7.9629



3.9436, 6.8640, 3.1829

Square

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



10.8096, 6.8640, 7.9629



6.6927, 6.8640, 1.1882



3.5538, 6.8640, 7.0050



6.3582, 6.8640, 23.1767

Rectangle

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



10.8096, 6.8640, 7.9629



9.2736, 6.8640, 2.1749



3.5538, 6.8640, 7.0050



4.3800, 6.8640, 17.8752

Sweetspot

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



10.8098, 6.8644, 7.9630



28.5143, 26.3990, 30.2803



9.1010, 5.7147, 20.0255



6.3324, 5.7601, 6.6444



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.8098, 6.8644, 7.9630



17.6965, 9.9979, 10.5378



10.2051, 7.0660, 3.4112



4.3943, 4.3709, 4.8811



9.4389, 4.7952, 3.6348



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8098, 6.8644, 7.9630



17.6965, 9.9979, 10.5378



11.3563, 15.1170, 21.7214



4.3943, 4.3709, 4.8811



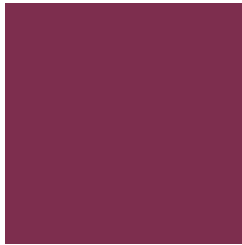
9.4389, 4.7952, 3.6348



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8096, 6.8640, 7.9629 looks on a white background.

Color Contrast Check

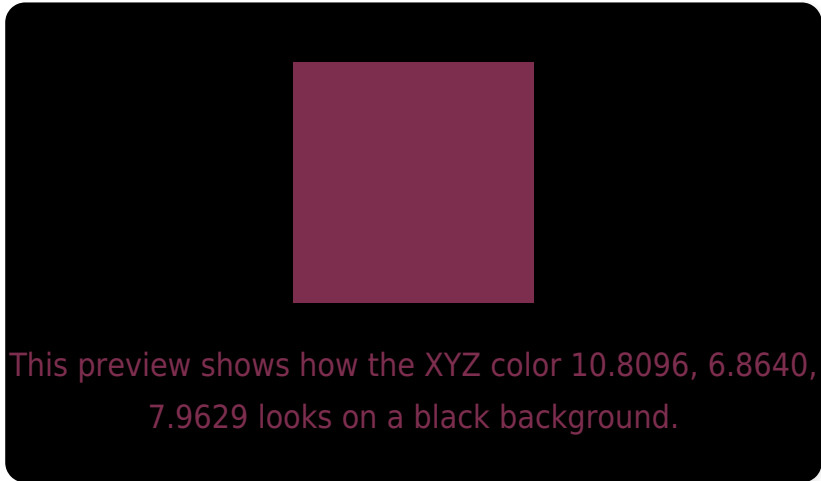
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8096, 6.8640, 7.9629

Background



This preview shows how black text looks on a background with the XYZ color 10.8096, 6.8640, 7.9629.



This preview shows how white text looks on a background with the XYZ color 10.8096, 6.8640,

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

10.8096, 6.8640, 7.9629

Protanopia

7.0859, 7.0442, 12.0525

Deuteranopia

7.1859, 7.0985, 7.4700



Tritanopia

10.0181, 6.8449, 4.2832

Trichromacy



Original Color

10.8096, 6.8640, 7.9629

Protanomaly

7.8530, 6.5617, 10.3038

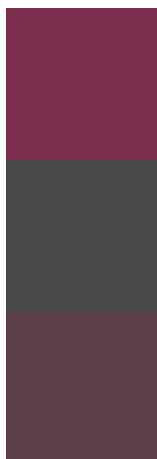
Deuteranomaly

8.0845, 6.6597, 7.5160

Tritanomaly

10.3077, 6.8406, 5.4797

Monochromacy



Original Color

10.8096, 6.8640, 7.9629

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.4611, 6.3383, 7.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8096, 6.8640, 7.9629 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(125, 46, 78)` looks like.

```
.text, #text, p{  
    color:rgb(125, 46, 78)  
}
```

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(125, 46, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 46, 78) }
```

Border

The CSS property to change the border of an element to XYZ 10.8096, 6.8640, 7.9629 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(125, 46, 78) }
```


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

```
.border{ border-color:rgb(125, 46, 78) }
```

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

Here you see how a box with a 4 pixel rgb(125, 46, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 46, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 46, 78);  
box-shadow:4px 4px 4px 4px rgb(125, 46,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8096, 6.8640, 7.9629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 46, 78) }
```

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

```
.background{ background-color: rgb(125, 46,  
78) }
```

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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