

Converting Colors

XYZ(7.8579, 3.8206, 10.7729)

Have a look what the booklet for
XYZ(7.8579, 3.8206, 10.7729)
contains.

XYZ(7.8015, 3.7936, 10.6770)	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(7.8015, 3.7936,
10.6770)**

Conversions

Conversions Part 1

Format	Color
Hex	69005D
RGB	105, 0, 93
RGB Percent	41%, 0%, 36%
CMY	0.5882, 1.0000, 0.6353
CMYK	0.00, 1.00, 0.11, 0.59
HSL	307°, 100%, 21%
HSV	307°, 100%, 41%
XYZ	7.8015, 3.7936, 10.6770
YIQ	41.9970, 32.7270, 51.1830

Conversions

Conversions Part 2

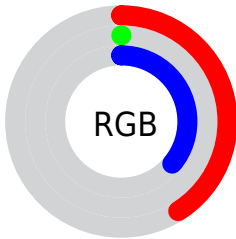
Format	Color
RYB	105, 0, 93
Decimal	6881373
CIELab	22.98, 49.29, -25.03
CIELCh	23, 55.280, 333.082
Yxy	3.7936, 0.3503, 0.1703
Android (android.graphics.Color)	4285071453 (0xFF69005D)
YUV	41.9970, 25.1445, 55.2536
Hunter-Lab	19.4772, 37.4124, -18.8676

Details

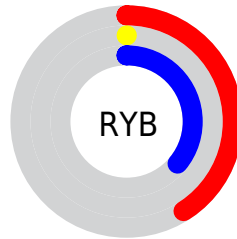
The XYZ color **7.8015, 3.7936, 10.6770** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **5.1181, 10.1299, 2.0336**, and the grayscale version is **2.1758, 2.2892, 2.4929**.

A 20% lighter version of the original color is **21.1655, 13.0513, 27.7892**, and **2.0344, 0.9895, 2.7731** is the 20% darker color. If you saturate the color by 10%, you get **7.8015, 3.7936, 10.6768**, and if you desaturate by 10%, it is **7.9693, 4.0433, 10.9973**.

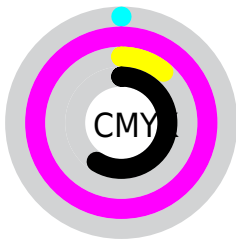
Distribution



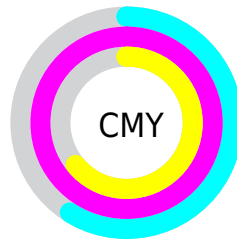
- Red (41%)
- Green (0%)
- Blue (36%)



- Red (41%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (59%)





- Cyan (59%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.8015, 3.7936, 10.6770 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 7.8015, 3.7936, 10.6770 by changing the saturation by 10% instead.


 7.8015, 3.7936,
10.6770

 7.8015, 3.7936,
10.6770


168.5704,
137.4558, 206.0952


 4.0189, 1.5588,
5.7387

 21.2575, 13.1424,
27.6888


 1.7128, 0.3296,
2.6206


 31.6617, 21.0251,
40.5993

 0.4643, 0.0000,
0.9031

 45.0038, 31.5594,
57.0043


 0.0000, 0.0000,
0.0000


 61.6492, 45.1294,
77.3223


 81.9632, 62.1196,
101.9718


 106.3111, 82.9145,


131.3715


 135.0584,
107.8984, 165.9398

 7.8015, 3.7936,
10.6770

 7.8015, 3.7936,
10.6770


 7.8015, 3.7936,
10.6768

 7.9693, 4.0433,
10.9973

 8.1779, 4.3735,
11.3353

 8.4682, 4.8657,
11.7047

 8.8492, 5.5379,
12.1085

 9.3287, 6.4058,
12.5494

■ 9.9137, 7.4833,
13.0296

■ 10.6105, 8.7830,
13.5513

■ 11.4250, 10.3166,
14.1164

■ 12.3625, 12.0949,
14.7268

Harmonies

Analogous

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



5.9183, 3.7936, 19.9107



7.8015, 3.7936, 10.6770



8.4554, 3.7936, 3.6063

Triad

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



7.8015, 3.7936, 10.6770



3.4177, 3.7936, 0.0000



1.3701, 3.7936, 12.5668

Complementary

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



7.8015, 3.7936, 10.6770



5.1181, 10.1299, 2.0336

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.



1.0915, 3.7936, 4.7033



7.8015, 3.7936, 10.6770



1.9910, 3.7936, 0.0000

Square

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



7.8015, 3.7936, 10.6770



5.4689, 3.7936, 0.0000



1.2721, 3.7936, 1.0211



2.2225, 3.7936, 21.5161

Rectangle

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



7.8015, 3.7936, 10.6770



7.9711, 3.7936, 1.2845



1.2721, 3.7936, 1.0211



1.2225, 3.7936, 9.5544

Sweetspot

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



7.8016, 3.7938, 10.6771



18.8824, 15.5077, 24.1806



2.6815, 1.0879, 13.4334



4.3306, 3.4594, 5.5964



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.8016, 3.7938, 10.6771



13.9421, 6.7819, 18.9740



6.2439, 3.1707, 2.4739



3.2034, 3.1582, 3.8014



9.8698, 4.8000, 13.4745



50.0875, 24.3769, 67.5884

Inverse Universe

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



7.8016, 3.7938, 10.6771



13.9421, 6.7819, 18.9740



5.9490, 10.4622, 6.4090



3.2034, 3.1582, 3.8014



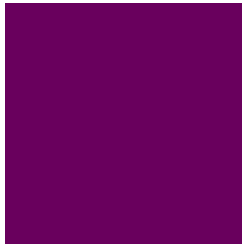
9.8698, 4.8000, 13.4745



50.0875, 24.3769, 67.5884

Previews

White Background



This preview shows how the XYZ color 7.8015, 3.7936, 10.6770 looks on a white background.

Color Contrast Check

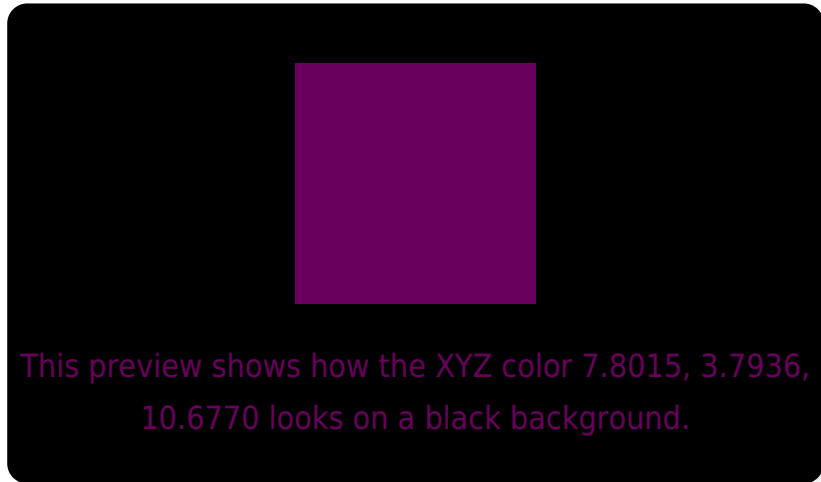
Large Text (above 18pt) WCAG AA ✓ Pass

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

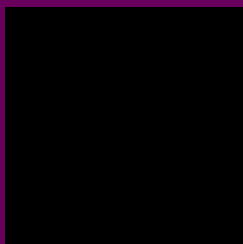
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.8015, 3.7936, 10.6770

Background



This preview shows how black text looks on a background with the XYZ color 7.8015, 3.7936, 10.6770.



This preview shows how white text looks on a background with the XYZ color 7.8015, 3.7936, 10.6770.

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

7.8015, 3.7936, 10.6770

Protanopia

4.8533, 4.2823, 18.3401

Deuteranopia

4.3601, 4.2951, 9.6161



Tritanopia

6.2833, 4.1789, 2.3949

Trichromacy



Original Color

7.8015, 3.7936, 10.6770

Protanomaly

4.2447, 2.7996, 15.0685

Deuteranomaly

4.7795, 3.2377, 9.8242

Tritanomaly

6.5955, 3.7938, 4.5223

Monochromacy



Original Color

7.8015, 3.7936, 10.6770

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.4142, 2.2446, 4.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8015, 3.7936, 10.6770 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(105, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(105, 0, 93)  
}
```

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(105, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 0, 93) }
```

Border

The CSS property to change the border of an element to XYZ 7.8015, 3.7936, 10.6770 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(105, 0, 93) }
```


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

```
.border{ border-color:rgb(105, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(105, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8015, 3.7936, 10.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 0, 93) }
```

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

```
.background{ background-color: rgb(105, 0,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor