

Converting Colors

XYZ(17.1518, 10.0299, 37.6445)

Have a look what the booklet for
XYZ(17.1518, 10.0299, 37.6445)
contains.

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Color

**XYZ(17.0936, 10.0344,
37.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	7F37A7
RGB	127, 55, 167
RGB Percent	50%, 22%, 65%
CMY	0.5020, 0.7843, 0.3451
CMYK	0.24, 0.67, 0.00, 0.35
HSL	279°, 50%, 44%
HSV	279°, 67%, 65%
XYZ	17.0936, 10.0344, 37.5951
YIQ	89.2960, 6.9600, 50.0960

Conversions

Conversions Part 2

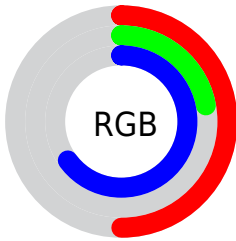
Format	Color
R_{YB}	127, 55, 167
Decimal	8337319
CIE _{Lab}	37.90, 49.88, -47.37
CIE _{LCh}	38, 68.793, 316.480
Yxy	10.0344, 0.2641, 0.1550
Android (android.graphics.Color)	4286527399 (0xFF7F37A7)
YUV	89.2960, 38.3081, 33.0664
Hunter-Lab	31.6771, 40.8872, -48.1927

Details

The XYZ color **17.0936, 10.0344, 37.5951** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.2278, 30.3464, 8.4587**, and the grayscale version is **9.4781, 9.9717, 10.8592**.

A 20% lighter version of the original color is **38.1054, 25.9104, 72.8049**, and **5.7849, 2.6314, 16.1226** is the 20% darker color. If you saturate the color by 10%, you get **15.5683, 8.2633, 37.3338**, and if you desaturate by 10%, it is **18.9407, 12.3701, 37.9488**.

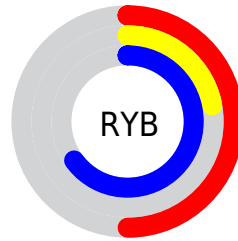
Distribution



Red (50%)

Green (22%)

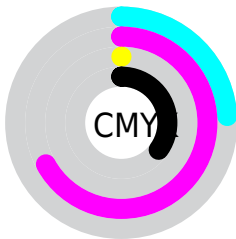
Blue (65%)



Red (50%)

Yellow (22%)

Blue (65%)

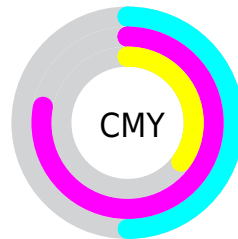


Cyan (24%)

Magenta (67%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (78%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0936, 10.0344, 37.5951 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 17.0936, 10.0344, 37.5951 by changing the saturation by 10% instead.

■ 17.0936, 10.0344,
37.5951

■ 17.0936, 10.0344,
37.5951

228.8569,
190.9174, 351.1258

■ 10.3970, 5.4218,
25.3692

■ 38.0290, 25.8602,
72.6836

■ 5.7272, 2.4968,
16.1308

■ 52.9984, 37.8421,
96.3833

■ 2.7190, 0.8750,
9.4614

■ 71.4561, 53.0493,
124.7447

■ 1.0070, 0.0000,
4.9424

■ 93.7675, 71.8661,
158.1863

■ 0.0000, 0.0000,
2.1554

■ 120.2980, 94.6769,
197.1267

■ 0.0000, 0.0000,
0.6484

■ 151.4128,

■ 0.0000, 0.0000,

121.8661, 241.9844

0.0000

187.4773,
153.8182, 293.1779

■ 17.0936, 10.0344,
37.5951

■ 17.0936, 10.0344,
37.5951

■ 15.5683, 8.2633,
37.3338

■ 18.9407, 12.3701,
37.9488

■ 14.3343, 6.9986,
37.1547

■ 21.1337, 15.3187,
38.4023

■ 13.3484, 6.1546,
37.0438

■ 23.6955, 18.9242,
38.9632

■ 13.0817, 5.9381,
37.0161

■ 26.6466, 23.2264,
39.6381

■ 30.0059, 28.2618,
40.4330

■ 33.7908, 34.0642,
41.3535

■ 38.0179, 40.6655,
42.4048

■ 42.7026, 48.0955,
43.5921

■ 47.8598, 56.3826,
44.9198

Harmonies

Analogous

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



12.1481, 10.0344, 54.6112



17.0936, 10.0344, 37.5951



20.3728, 10.0344, 17.6360

Triad

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



17.0936, 10.0344, 37.5951



11.6582, 10.0344, 0.0000



3.5020, 10.0344, 19.3546

Complementary

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



17.0936, 10.0344, 37.5951



19.2278, 30.3464, 8.4587

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.



3.4443, 10.0344, 6.1786



17.0936, 10.0344, 37.5951



7.3304, 10.0344, 0.0000

Square

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



17.0936, 10.0344, 37.5951



16.6411, 10.0344, 1.0862



4.6189, 10.0344, 1.2877



4.8124, 10.0344, 39.6510

Rectangle

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



17.0936, 10.0344, 37.5951



20.6739, 10.0344, 8.4101



4.6189, 10.0344, 1.2877



3.3535, 10.0344, 13.8988

Sweetspot

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



17.0940, 10.0348, 37.5953



51.6718, 47.4922, 71.9188



12.7399, 11.9805, 38.2004



11.1977, 10.0796, 16.0075



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.0940, 10.0348, 37.5953



26.8521, 13.7011, 66.7046



22.9757, 13.2173, 31.0749



7.5781, 7.5306, 9.4725



10.0650, 4.5721, 28.3275



0.2975, 0.1384, 0.6917

Inverse Universe

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



19.3683, 11.7744, 12.0785



31.9818, 17.4924, 15.1302



16.4979, 28.8912, 10.4907



7.6377, 7.5849, 8.4092



12.8331, 6.5420, 3.9329



0.3366, 0.1689, 0.2241

Previews

White Background



This preview shows how the XYZ color 17.0936, 10.0344, 37.5951 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 × Fail

Black Background



This preview shows how the XYZ color 17.0936, 10.0344, 37.5951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

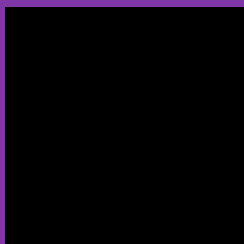
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0936, 10.0344, 37.5951

Background



This preview shows how black text looks on a background with the XYZ color 17.0936, 10.0344, 37.5951.



This preview shows how white text looks on a background with the XYZ color 17.0936, 10.0344,

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

17.0936, 10.0344, 37.5951

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.4171, 10.1908, 34.6757



Tritanopia

11.5284, 10.0028, 10.3400

Trichromacy



Original Color

17.0936, 10.0344, 37.5951



Protanomaly

11.6787, 8.8273, 43.2078



Deuteranomaly

11.1987, 9.0538, 35.8076



Tritanomaly

13.0134, 9.6894, 17.7074

Monochromacy



Original Color

17.0936, 10.0344, 37.5951



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

11.4583, 9.4757, 18.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0936, 10.0344, 37.5951 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(127, 55, 167)` looks like.

```
.text, #text, p{  
    color:rgb(127, 55, 167)  
}
```

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(127, 55, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 55, 167) }
```

Border

The CSS property to change the border of an element to XYZ 17.0936, 10.0344, 37.5951 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(127, 55, 167) }
```


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

```
.border{ border-color:rgb(127, 55, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 55, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 55, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 55, 167);  
box-shadow:4px 4px 4px 4px rgb(127, 55,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0936, 10.0344, 37.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 55, 167) }
```

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

```
.background{ background-color: rgb(127, 55,  
167) }
```

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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