

Converting Colors

XYZ(23.0982, 17.3348, 37.6318)

Have a look what the booklet for
XYZ(23.0982, 17.3348, 37.6318)
contains.

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Color

**XYZ(23.1871, 17.3783,
37.7296)**

Conversions

Conversions Part 1

Format	Color
Hex	9460A5
RGB	148, 96, 165
RGB Percent	58%, 38%, 65%
CMY	0.4196, 0.6235, 0.3529
CMYK	0.10, 0.42, 0.00, 0.35
HSL	285°, 28%, 51%
HSV	285°, 42%, 65%
XYZ	23.1871, 17.3783, 37.7296
YIQ	119.4140, 8.8430, 32.4830

Conversions

Conversions Part 2

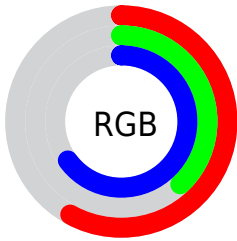
Format	Color
R _Y B	148, 96, 165
Decimal	9724069
CIE Lab	48.73, 33.40, -28.87
CIE LCh	49, 44.145, 319.161
Yxy	17.3783, 0.2962, 0.2220
Android (android.graphics.Color)	4287914149 (0xFF9460A5)
YUV	119.4140, 22.4739, 25.0699
Hunter-Lab	41.6873, 26.3316, -24.4801

Details

The XYZ color **23.1871, 17.3783, 37.7296** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.3772, 31.2660, 15.9228**, and the grayscale version is **17.5953, 18.5116, 20.1592**.

A 20% lighter version of the original color is **48.1368, 39.0436, 72.7092**, and **8.8615, 5.7930, 16.2739** is the 20% darker color. If you saturate the color by 10%, you get **21.1144, 14.3050, 37.2459**, and if you desaturate by 10%, it is **25.6028, 21.0983, 38.3206**.

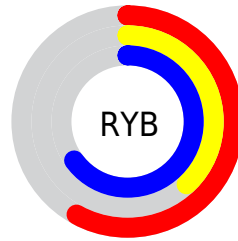
Distribution



Red (58%)

Green (38%)

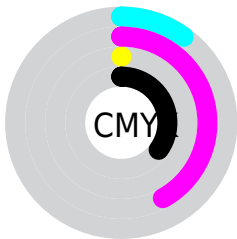
Blue (65%)



Red (58%)

Yellow (38%)

Blue (65%)

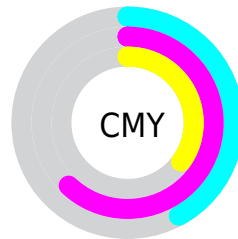


Cyan (10%)

Magenta (42%)

Yellow (0%)

Black (35%)



Cyan (42%)

Magenta (62%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1871, 17.3783, 37.7296 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 23.1871, 17.3783, 37.7296 by changing the saturation by 10% instead.

■ 23.1871, 17.3783,
37.7296

■ 23.1871, 17.3783,
37.7296

261.2020,
237.3431, 351.7219

■ 14.8532, 10.5046,
25.4727

■ 48.1648, 38.9751,
72.8923

■ 8.8020, 5.7348,
16.2074

■ 65.5392, 54.4669,
96.6352

■ 4.6684, 2.6845,
9.5151

■ 86.6579, 73.6002,
125.0438

■ 2.0868, 0.9693,
4.9773

■ 111.8861, 96.7594,
158.5367

■ 0.6820, 0.0000,
2.1754

141.5893,
124.3289, 197.5325

■ 0.0000, 0.0000,
0.6601

176.1328,

■ 0.0000, 0.0000,

156.6931, 242.4495

0.0000

215.8819,
194.2364, 293.7065

■ 23.1871, 17.3783,
37.7296

■ 23.1871, 17.3783,
37.7296

■ 21.1144, 14.3050,
37.2459

■ 25.6028, 21.0983,
38.3206

■ 19.3626, 11.8362,
36.8617

■ 28.3781, 25.4992,
39.0238

■ 17.9100, 9.9281,
36.5700

■ 31.5308, 30.6157,
39.8452

■ 16.7310, 8.5299,
36.3622

■ 35.0767, 36.4791,
40.7901

■ 15.7952, 7.5815,
36.2285

■ 39.0308, 43.1192,
41.8633

■ 15.1540, 7.0276,
36.1554

■ 43.4073, 50.5639,
43.0696

■ 48.2196, 58.8397,
44.4134

■ 53.4807, 67.9720,
45.8988

■ 59.2028, 77.9852,
47.5299

Harmonies

Analogous

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



19.2268, 17.3783, 49.0416



23.1871, 17.3783, 37.7296



25.4760, 17.3783, 23.4659

Triad

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



23.1871, 17.3783, 37.7296



18.0361, 17.3783, 4.3272



10.1636, 17.3783, 27.2898

Complementary

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



23.1871, 17.3783, 37.7296



22.3772, 31.2660, 15.9228

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.



9.9521, 17.3783, 15.0062



23.1871, 17.3783, 37.7296



14.0756, 17.3783, 4.6504

Square

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



23.1871, 17.3783, 37.7296



22.1930, 17.3783, 6.5114



11.2679, 17.3783, 7.7097



11.9030, 17.3783, 41.4989

Rectangle

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



23.1871, 17.3783, 37.7296



25.5293, 17.3783, 15.5676



11.2679, 17.3783, 7.7097



9.9237, 17.3783, 22.7267

Sweetspot

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



23.1877, 17.3790, 37.7300



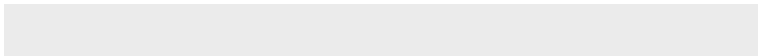
55.6237, 53.4467, 71.1369



17.5492, 17.0704, 37.9676



11.8918, 11.2463, 15.4815



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.1877, 17.3790, 37.7300



38.1241, 26.0691, 66.7748



25.0260, 18.4961, 30.1650



7.1931, 7.1139, 8.8971



11.5109, 5.3406, 27.3539



0.2807, 0.1322, 0.5766

Inverse Universe

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



22.6812, 17.5582, 17.8174



37.3255, 26.5695, 25.5285



21.2744, 30.5955, 20.4818



7.1420, 7.1133, 7.7343



12.0544, 6.1778, 2.2111



0.2708, 0.1368, 0.1384

Previews

White Background



This preview shows how the XYZ color 23.1871, 17.3783, 37.7296 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 23.1871, 17.3783, 37.7296 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 23.1871, 17.3783, 37.7296

Background



This preview shows how black text looks on a background with the XYZ color 23.1871, 17.3783, 37.7296.

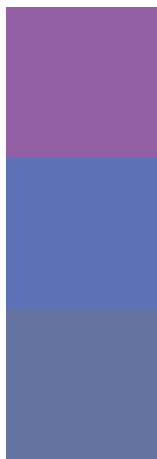


This preview shows how white text looks on a background with the XYZ color 23.1871, 17.3783,

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

23.1871, 17.3783, 37.7296

Protanopia

18.6692, 17.6052, 45.5942

Deuteranopia

17.9306, 17.6014, 36.1706



Tritanopia

19.3367, 17.4159, 18.5621

Trichromacy



Original Color

23.1871, 17.3783, 37.7296

Protanomaly

19.6776, 17.0553, 42.8123

Deuteranomaly

19.3554, 17.1853, 36.4794

Tritanomaly

20.5855, 17.3232, 24.4490

Monochromacy



Original Color

23.1871, 17.3783, 37.7296

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.3343, 17.8923, 25.7271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1871, 17.3783, 37.7296 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(148, 96, 165)` looks like.

```
.text, #text, p{  
    color:rgb(148, 96, 165)  
}
```

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(148, 96, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 96, 165) }
```

Border

The CSS property to change the border of an element to XYZ 23.1871, 17.3783, 37.7296 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(148, 96, 165) }
```


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

```
.border{ border-color:rgb(148, 96, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 96, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 96, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 96, 165);  
box-shadow:4px 4px 4px 4px rgb(148, 96,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1871, 17.3783, 37.7296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 96, 165) }
```

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

```
.background{ background-color: rgb(148, 96,  
165) }
```

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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