

Converting Colors

XYZ(23.2485, 18.8918, 34.9271)

Have a look what the booklet for
XYZ(23.2485, 18.8918, 34.9271)
contains.

XYZ(23.1796, 18.8877, 34.7717)	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(23.1796, 18.8877,
34.7717)**

Conversions

Conversions Part 1

Format	Color
Hex	926A9E
RGB	146, 106, 158
RGB Percent	57%, 42%, 62%
CMY	0.4274, 0.5843, 0.3804
CMYK	0.08, 0.33, 0.00, 0.38
HSL	286°, 21%, 52%
HSV	286°, 33%, 62%
XYZ	23.1796, 18.8877, 34.7717
YIQ	123.8880, 7.1480, 24.6520

Conversions

Conversions Part 2

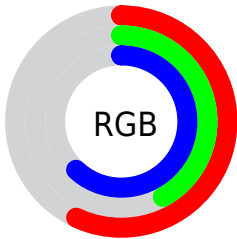
Format	Color
R_{YB}	146, 106, 158
Decimal	9595550
CIE Lab	50.56, 25.51, -21.95
CIE LCh	51, 33.656, 319.283
Yxy	18.8877, 0.3017, 0.2458
Android (android.graphics.Color)	4287785630 (0xFF926A9E)
YUV	123.8880, 16.8172, 19.3922
Hunter-Lab	43.4600, 19.1489, -17.0151

Details

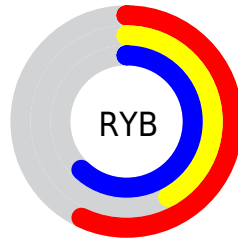
The XYZ color **23.1796, 18.8877, 34.7717** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.3003, 29.3464, 18.1257**, and the grayscale version is **19.0656, 20.0585, 21.8437**.

A 20% lighter version of the original color is **48.3245, 41.6753, 68.4480**, and **8.8339, 6.4996, 14.4246** is the 20% darker color. If you saturate the color by 10%, you get **21.0612, 15.5975, 34.2486**, and if you desaturate by 10%, it is **25.6199, 22.7901, 35.3966**.

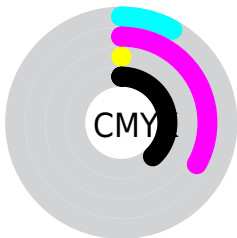
Distribution



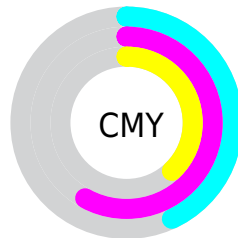
- Red (57%)
- Green (42%)
- Blue (62%)



- Red (57%)
- Yellow (42%)
- Blue (62%)



- Cyan (8%)
- Magenta (33%)
- Yellow (0%)
- Black (38%)



- Cyan (43%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1796, 18.8877, 34.7717 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 23.1796, 18.8877, 34.7717 by changing the saturation by 10% instead.

■ 23.1796, 18.8877,
34.7717

■ 23.1796, 18.8877,
34.7717

261.1643,
245.8281, 338.4331

■ 14.8476, 11.5892,
23.2049

■ 48.1526, 41.5443,
68.2795

■ 8.7981, 6.4646,
14.5382

■ 65.5242, 57.6711,
91.0576

■ 4.6658, 3.1296,
8.3529

■ 86.6398, 77.5094,
118.4099

■ 2.0853, 1.1998,
4.2306

■ 111.8647,
101.4437, 150.7549

■ 0.6812, 0.0615,
1.7527

141.5642,
129.8583, 188.5112

■ 0.0000, 0.0000,
0.3965

176.1038,

■ 0.0000, 0.0000,

163.1377, 232.0973

0.0000

215.8487,
201.6661, 281.9317

■ 23.1796, 18.8877,
34.7717

■ 23.1796, 18.8877,
34.7717

■ 21.0612, 15.5975,
34.2486

■ 25.6199, 22.7901,
35.3966

■ 19.2462, 12.8841,
33.8205

■ 28.3956, 27.3330,
36.1272

■ 17.7169, 10.7120,
33.4818

■ 31.5219, 32.5455,
36.9685

■ 16.4530, 9.0407,
33.2259

■ 35.0121, 38.4546,
37.9251

■ 15.4311, 7.8240,
33.0449

■ 38.8792, 45.0854,
39.0012

■ 14.6236, 7.0070,
32.9297

■ 43.1351, 52.4620,
40.2007

■ 14.1324, 6.5726,
32.8718

■ 47.7916, 60.6074,
41.5275

■ 52.8597, 69.5433,
42.9852

■ 58.3500, 79.2909,
44.5773

Harmonies

Analogous

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



20.1206, 18.8877, 42.8103



23.1796, 18.8877, 34.7717



24.9034, 18.8877, 24.1172

Triad

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



23.1796, 18.8877, 34.7717



19.1529, 18.8877, 7.4174



12.6244, 18.8877, 27.1388

Complementary

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



23.1796, 18.8877, 34.7717



22.3003, 29.3464, 18.1257

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.



12.4322, 18.8877, 17.3808



23.1796, 18.8877, 34.7717



15.9454, 18.8877, 7.7776

Square

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



23.1796, 18.8877, 34.7717



22.3972, 18.8877, 9.6733



13.5765, 18.8877, 10.8759



14.1380, 18.8877, 37.5555

Rectangle

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



23.1796, 18.8877, 34.7717



24.9376, 18.8877, 17.7823



13.5765, 18.8877, 10.8759



12.4107, 18.8877, 23.6249

Sweetspot

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



23.1802, 18.8885, 34.7721



53.0429, 52.0829, 66.0008



18.6104, 18.5220, 34.9422



11.7947, 11.4703, 14.8360



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.1802, 18.8885, 34.7721



39.3970, 30.0899, 62.4749



24.2994, 19.5957, 28.9412



6.7544, 6.6774, 8.3395



11.3540, 5.2822, 26.3284



0.2368, 0.1119, 0.4723

Inverse Universe

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



22.5253, 18.8860, 19.5987



38.1458, 30.1528, 30.4304



21.5535, 28.8712, 22.1645



6.6927, 6.6700, 7.2327



11.5670, 5.9314, 1.9707



0.2213, 0.1118, 0.1113

Previews

White Background



This preview shows how the XYZ color 23.1796, 18.8877, 34.7717 looks on a white background.

Color Contrast Check

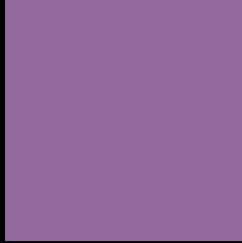
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1796, 18.8877, 34.7717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

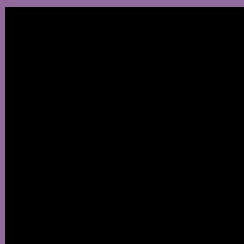
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1796, 18.8877, 34.7717

Background



This preview shows how black text looks on a background with the XYZ color 23.1796, 18.8877, 34.7717.



This preview shows how white text looks on a background with the XYZ color 23.1796, 18.8877,

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

23.1796, 18.8877, 34.7717

Protanopia

19.6086, 19.0850, 39.6961

Deuteranopia

19.4186, 18.9346, 34.0838



Tritanopia

20.4025, 18.8781, 20.9809

Trichromacy



Original Color

23.1796, 18.8877, 34.7717

Protanomaly

20.6033, 18.7799, 37.6609

Deuteranomaly

20.7073, 18.9046, 34.4558

Tritanomaly

21.2768, 18.7408, 25.4176

Monochromacy



Original Color

23.1796, 18.8877, 34.7717

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.3209, 19.4057, 25.9672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1796, 18.8877, 34.7717 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(146, 106, 158)` looks like.

```
.text, #text, p{  
    color:rgb(146, 106, 158)  
}
```

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(146, 106, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 106, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.1796, 18.8877, 34.7717 is called "border". The border property can be set on classes, ids or directly on the HTML element.

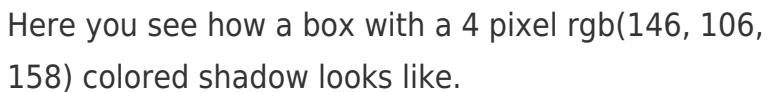
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 106, 158) }
```


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

```
.border{ border-color:rgb(146, 106, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 106, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 106, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 106, 158);  
box-shadow:4px 4px 4px 4px rgb(146, 106,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1796, 18.8877, 34.7717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 106, 158) }
```

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

```
.background{ background-color: rgb(146,  
106, 158) }
```

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