

Converting Colors

XYZ(23.4491, 17.8695, 36.8716)

Have a look what the booklet for
XYZ(23.4491, 17.8695, 36.8716)
contains.

XYZ(23.3730, 17.7693, 36.8483)	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(23.3730, 17.7693,
36.8483)**

Conversions

Conversions Part 1

Format	Color
Hex	9562A3
RGB	149, 98, 163
RGB Percent	58%, 38%, 64%
CMY	0.4157, 0.6157, 0.3608
CMYK	0.09, 0.40, 0.00, 0.36
HSL	287°, 26%, 51%
HSV	287°, 40%, 64%
XYZ	23.3730, 17.7693, 36.8483
YIQ	120.6590, 9.5310, 31.0270

Conversions

Conversions Part 2

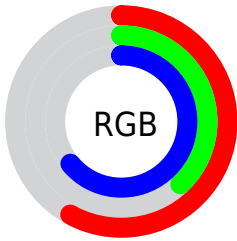
Format	Color
R_{YB}	149, 98, 163
Decimal	9790115
CIE _{Lab}	49.22, 32.15, -26.93
CIE _{LCh}	49, 41.944, 320.048
Yxy	17.7693, 0.2997, 0.2278
Android (android.graphics.Color)	4287980195 (0xFF9562A3)
YUV	120.6590, 20.8741, 24.8551
Hunter-Lab	42.1536, 25.2043, -22.3204

Details

The XYZ color **23.3730, 17.7693, 36.8483** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.9845, 30.5214, 16.2886**, and the grayscale version is **17.9974, 18.9346, 20.6198**.

A 20% lighter version of the original color is **48.4631, 39.7120, 71.4406**, and **8.9396, 5.9703, 15.7201** is the 20% darker color. If you saturate the color by 10%, you get **21.3696, 14.6987, 36.3615**, and if you desaturate by 10%, it is **25.7075, 21.4725, 37.4403**.

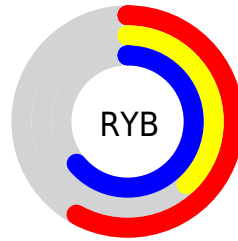
Distribution



Red (58%)

Green (38%)

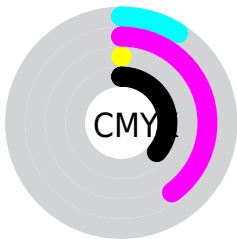
Blue (64%)



Red (58%)

Yellow (38%)

Blue (64%)

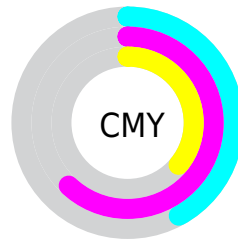


Cyan (9%)

Magenta (40%)

Yellow (0%)

Black (36%)



Cyan (42%)


Magenta (62%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3730, 17.7693, 36.8483 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 23.3730, 17.7693, 36.8483 by changing the saturation by 10% instead.


 23.3730, 17.7693,
36.8483


 23.3730, 17.7693,
36.8483


262.1348,
239.5675, 347.8022


 14.9914, 10.7845,
24.7952


 48.4672, 39.6438,
71.5231


 8.8996, 5.9221,
15.7069


 65.9106, 55.3023,
94.9819

 4.7323, 2.7978,
9.1649


 87.1052, 74.6208,
123.0797

 2.1242, 1.0271,
4.7506

 112.4164, 97.9838,
156.2350

 0.7023, 0.0000,
2.0455

142.2096,
125.7755, 194.8664

 0.0000, 0.0000,
0.5831

176.8502,

 0.0000, 0.0000,

158.3804, 239.3923

0.0000

216.7034,
196.1830, 290.2314

■ 23.3730, 17.7693,
36.8483

■ 23.3730, 17.7693,
36.8483

■ 21.3696, 14.6987,
36.3615

■ 25.7075, 21.4725,
37.4403

■ 19.6763, 12.2204,
35.9724

■ 28.3888, 25.8409,
38.1422

■ 18.2726, 10.2930,
35.6743

■ 31.4338, 30.9074,
38.9596

■ 17.1343, 8.8686,
35.4594

■ 34.8576, 36.7023,
39.8977

■ 16.2333, 7.8912,
35.3182

■ 38.6747, 43.2540,
40.9611

■ 15.5057, 7.2331,
35.2295

■ 42.8984, 50.5891,
42.1543

■ 15.4970, 7.2253,
35.2285

■ 47.5417, 58.7334,
43.4816

■ 52.6169, 67.7110,
44.9470

■ 58.1358, 77.5454,
46.5543

Harmonies

Analogous

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



19.6157, 17.7693, 47.6486



23.3730, 17.7693, 36.8483



25.4838, 17.7693, 23.3363

Triad

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



23.3730, 17.7693, 36.8483



18.2298, 17.7693, 4.8975



10.7360, 17.7693, 27.7598

Complementary

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



23.3730, 17.7693, 36.8483



21.9845, 30.5214, 16.2886

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.



10.4834, 17.7693, 15.8417



23.3730, 17.7693, 36.8483



14.4278, 17.7693, 5.3028

Square

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



23.3730, 17.7693, 36.8483



22.2241, 17.7693, 7.0436



11.7312, 17.7693, 8.5085



12.4846, 17.7693, 41.1448

Rectangle

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



23.3730, 17.7693, 36.8483



25.4809, 17.7693, 15.8106



11.7312, 17.7693, 8.5085



10.4850, 17.7693, 23.3766

Sweetspot

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



23.3736, 17.7701, 36.8487



54.9551, 53.1075, 69.4104



17.4520, 16.8486, 36.9829



12.1893, 11.6716, 15.5479



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.



23.3736, 17.7701, 36.8487



38.5993, 26.8176, 65.1980



24.5513, 18.5541, 28.9078



7.2143, 7.1249, 8.8981



12.0831, 5.6355, 27.3807



0.2891, 0.1366, 0.5770

Inverse Universe

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



22.3972, 17.6925, 17.5645



36.7935, 26.7737, 25.0366



21.3115, 30.0622, 21.3305



7.1333, 7.1098, 7.6885



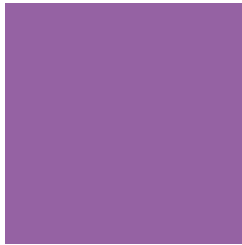
11.9902, 6.1521, 1.8731



0.2677, 0.1356, 0.1225

Previews

White Background



This preview shows how the XYZ color 23.3730, 17.7693, 36.8483 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 23.3730, 17.7693, 36.8483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

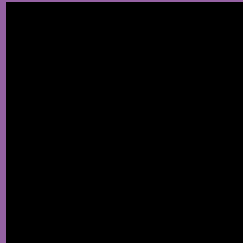
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3730, 17.7693, 36.8483

Background



This preview shows how black text looks on a background with the XYZ color 23.3730, 17.7693, 36.8483.

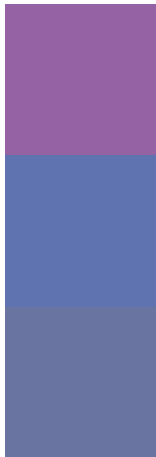


This preview shows how white text looks on a background with the XYZ color 23.3730, 17.7693,

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

23.3730, 17.7693, 36.8483

Protanopia

18.8904, 17.9226, 44.0587

Deuteranopia

18.4163, 18.0321, 35.7676



Tritanopia

19.6703, 17.7369, 18.9098

Trichromacy



Original Color

23.3730, 17.7693, 36.8483

Protanomaly

19.9853, 17.5607, 41.3659

Deuteranomaly

19.7868, 17.5754, 36.0677

Tritanomaly

20.8610, 17.6138, 24.4906

Monochromacy



Original Color

23.3730, 17.7693, 36.8483

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.7091, 18.4131, 25.8079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3730, 17.7693, 36.8483 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(149, 98, 163)` looks like.

```
.text, #text, p{  
    color:rgb(149, 98, 163)  
}
```

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(149, 98, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 98, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.3730, 17.7693, 36.8483 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(149, 98, 163) }
```


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

```
.border{ border-color:rgb(149, 98, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 98, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 98, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 98, 163);  
box-shadow:4px 4px 4px 4px rgb(149, 98,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3730, 17.7693, 36.8483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 98, 163) }
```

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

```
.background{ background-color: rgb(149, 98,  
163) }
```

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