

Converting Colors

XYZ(23.9326, 17.6724, 38.2748)

Have a look what the booklet for
XYZ(23.9326, 17.6724, 38.2748)
contains.

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Color

**XYZ(23.9240, 17.6130,
38.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	985FA6
RGB	152, 95, 166
RGB Percent	60%, 37%, 65%
CMY	0.4039, 0.6274, 0.3490
CMYK	0.08, 0.43, 0.00, 0.35
HSL	288°, 29%, 51%
HSV	288°, 43%, 65%
XYZ	23.9240, 17.6130, 38.2151
YIQ	120.1370, 11.1810, 34.1650

Conversions

Conversions Part 2

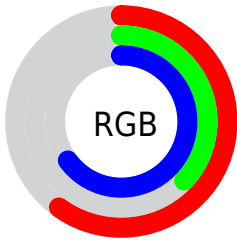
Format	Color
R_{YB}	152, 95, 166
Decimal	9985958
CIE _{Lab}	49.02, 35.42, -28.97
CIE _{LCh}	49, 45.759, 320.725
Yxy	17.6130, 0.3000, 0.2208
Android (android.graphics.Color)	4288176038 (0xFF985FA6)
YUV	120.1370, 22.6105, 27.9439
Hunter-Lab	41.9678, 28.3112, -24.6108

Details

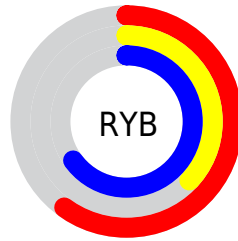
The XYZ color **23.9240, 17.6130, 38.2151** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.0091, 31.3503, 15.7185**, and the grayscale version is **17.8244, 18.7527, 20.4216**.

A 20% lighter version of the original color is **49.2170, 39.3533, 73.4085**, and **9.1598, 5.8215, 16.5605** is the 20% darker color. If you saturate the color by 10%, you get **21.9809, 14.6235, 37.7407**, and if you desaturate by 10%, it is **26.2038, 21.2500, 38.7972**.

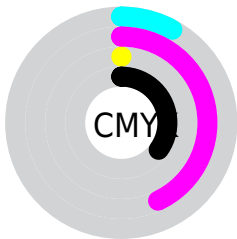
Distribution



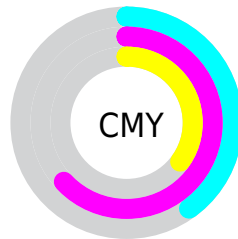
- Red (60%)
- Green (37%)
- Blue (65%)



- Red (60%)
- Yellow (37%)
- Blue (65%)



- Cyan (8%)
- Magenta (43%)
- Yellow (0%)
- Black (35%)



- Cyan (40%)
- Magenta (63%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9240, 17.6130, 38.2151 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 23.9240, 17.6130, 38.2151 by changing the saturation by 10% instead.

■ 23.9240, 17.6130,
38.2151

■ 23.9240, 17.6130,
38.2151

264.8836,
238.6806, 353.8676

■ 15.4017, 10.6725,
25.8466

■ 49.3617, 39.3768,
73.6448

■ 9.1899, 5.8471,
16.4841

■ 67.0079, 54.9688,
97.5430

■ 4.9234, 2.7523,
9.7093

■ 88.4260, 74.2135,
126.1215

■ 2.2367, 1.0038,
5.1036

■ 113.9814, 97.4953,
159.7989

■ 0.7620, 0.0000,
2.2484

144.0395,
125.1985, 198.9936

■ 0.0000, 0.0000,
0.7021

178.9657,

■ 0.0000, 0.0000,

157.7075, 244.1243

0.0000

219.1253,
195.4067, 295.6095

■ 23.9240, 17.6130,
38.2151

■ 23.9240, 17.6130,
38.2151

■ 21.9809, 14.6235,
37.7407

■ 26.2038, 21.2500,
38.7972

■ 20.3523, 12.2382,
37.3662

■ 28.8373, 25.5695,
39.4922

■ 19.0156, 10.4124,
37.0842

■ 31.8423, 30.6067,
40.3061

■ 17.9448, 9.0937,
36.8861

■ 35.2352, 36.3937,
41.2442

■ 17.1086, 8.2199,
36.7615

■ 39.0309, 42.9607,
42.3117

■ 16.5982, 7.7616,
36.7000

■ 43.2439, 50.3362,
43.5133

■ 47.8878, 58.5471,
44.8534

■ 52.9756, 67.6193,
46.3364

■ 58.5196, 77.5775,
47.9663

Harmonies

Analogous

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



19.8132, 17.6130, 50.5922



23.9240, 17.6130, 38.2151



26.2069, 17.6130, 23.2169

Triad

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



23.9240, 17.6130, 38.2151



18.0973, 17.6130, 4.0841



10.1832, 17.6130, 28.7458

Complementary

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



23.9240, 17.6130, 38.2151



22.0091, 31.3503, 15.7185

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.



9.8822, 17.6130, 15.6362



23.9240, 17.6130, 38.2151



14.0034, 17.6130, 4.5319

Square

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



23.9240, 17.6130, 38.2151



22.4862, 17.6130, 6.1380



11.1617, 17.6130, 7.8222



12.0680, 17.6130, 43.7046

Rectangle

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



23.9240, 17.6130, 38.2151



26.1583, 17.6130, 15.1311



11.1617, 17.6130, 7.8222



9.9076, 17.6130, 23.8879

Sweetspot

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



23.9246, 17.6138, 38.2155



57.5172, 55.0858, 73.0764



17.0930, 16.1669, 38.2963



12.5983, 11.8667, 16.2786



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.



23.9246, 17.6138, 38.2155



40.1608, 26.9435, 68.5592



24.9064, 18.3272, 28.8923



7.6948, 7.5908, 9.4780



12.9090, 6.0383, 28.4606



0.3500, 0.1655, 0.6941

Inverse Universe

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



22.5790, 17.3963, 16.6366



37.6130, 26.6230, 23.5800



21.5260, 30.9737, 21.4594



7.5893, 7.5656, 8.1547



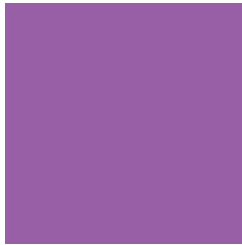
12.4185, 6.3761, 1.7492



0.3187, 0.1618, 0.1299

Previews

White Background



This preview shows how the XYZ color 23.9240, 17.6130, 38.2151 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 23.9240, 17.6130, 38.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

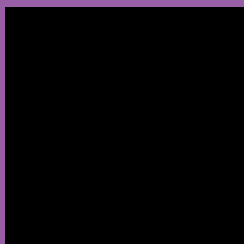
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9240, 17.6130, 38.2151

Background



This preview shows how black text looks on a background with the XYZ color 23.9240, 17.6130, 38.2151.



This preview shows how white text looks on a background with the XYZ color 23.9240, 17.6130,

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

23.9240, 17.6130, 38.2151

Protanopia

18.9879, 17.9142, 46.7130

Deuteranopia

18.1318, 17.6949, 36.6422



Tritanopia

19.9256, 17.5656, 18.5600

Trichromacy



Original Color

23.9240, 17.6130, 38.2151

Protanomaly

20.1385, 17.4371, 43.3786

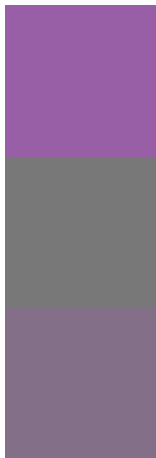
Deuteranomaly

19.7192, 17.3625, 36.9623

Tritanomaly

21.2672, 17.5199, 24.8150

Monochromacy



Original Color

23.9240, 17.6130, 38.2151

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.7155, 18.0806, 26.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9240, 17.6130, 38.2151 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(152, 95, 166)` looks like.

```
.text, #text, p{  
    color:rgb(152, 95, 166)  
}
```

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(152, 95, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 95, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.9240, 17.6130, 38.2151 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(152, 95, 166) }
```


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

```
.border{ border-color:rgb(152, 95, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 95, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 95, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 95, 166); box-shadow:4px 4px 4px 4px rgb(152, 95, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9240, 17.6130, 38.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 95, 166) }
```

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

```
.background{ background-color: rgb(152, 95,  
166) }
```

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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