

Converting Colors

XYZ(23.4532, 17.5827, 34.9409)

Have a look what the booklet for
XYZ(23.4532, 17.5827, 34.9409)
contains.

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Color

**XYZ(23.3898, 17.5443,
34.9545)**

Conversions

Conversions Part 1

Format	Color
Hex	98609F
RGB	152, 96, 159
RGB Percent	60%, 38%, 62%
CMY	0.4039, 0.6235, 0.3765
CMYK	0.04, 0.40, 0.00, 0.38
HSL	293°, 25%, 50%
HSV	293°, 40%, 62%
XYZ	23.3898, 17.5443, 34.9545
YIQ	119.9260, 13.1530, 31.4650

Conversions

Conversions Part 2

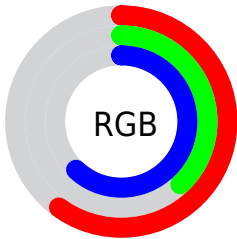
Format	Color
R_{YB}	152, 96, 159
Decimal	9986207
CIE _{Lab}	48.94, 33.42, -24.98
CIE _{LCh}	49, 41.725, 323.222
Yxy	17.5443, 0.3082, 0.2312
Android (android.graphics.Color)	4288176287 (0xFF98609F)
YUV	119.9260, 19.2635, 28.1289
Hunter-Lab	41.8859, 26.3770, -20.1584

Details

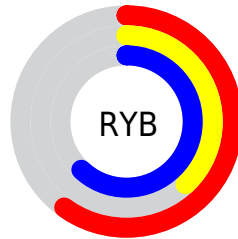
The XYZ color **23.3898, 17.5443, 34.9545** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.1034, 28.5247, 15.5133**, and the grayscale version is **17.7669, 18.6922, 20.3558**.

A 20% lighter version of the original color is **48.4596, 39.3002, 68.6499**, and **8.9259, 5.8039, 14.5597** is the 20% darker color. If you saturate the color by 10%, you get **21.7552, 14.7620, 34.5039**, and if you desaturate by 10%, it is **25.3239, 20.9175, 35.5039**.

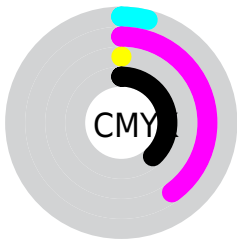
Distribution



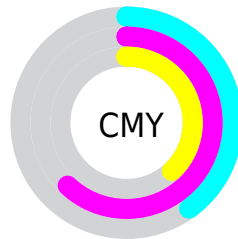
- Red (60%)
- Green (38%)
- Blue (62%)



- Red (60%)
- Yellow (38%)
- Blue (62%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3898, 17.5443, 34.9545 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 23.3898, 17.5443, 34.9545 by changing the saturation by 10% instead.

■ 23.3898, 17.5443,
34.9545

■ 23.3898, 17.5443,
34.9545

262.2189,
238.2898, 339.2656

■ 15.0039, 10.6233,
23.3446

■ 48.4946, 39.2593,
68.5660

■ 8.9084, 5.8142,
14.6404

■ 65.9441, 54.8221,
91.4047

■ 4.7381, 2.7324,
8.4236

■ 87.1455, 74.0342,
118.8234

■ 2.1276, 0.9937,
4.2756

■ 112.4643, 97.2802,
151.2406

■ 0.7042, 0.0000,
1.7777

142.2656,
124.9443, 189.0749

■ 0.0000, 0.0000,
0.4132

176.9149,

■ 0.0000, 0.0000,

157.4111, 232.7448

0.0000

216.7776,
195.0647, 282.6689

■ 23.3898, 17.5443,
34.9545

■ 23.3898, 17.5443,
34.9545

■ 21.7552, 14.7620,
34.5039

■ 25.3239, 20.9175,
35.5039

■ 20.4006, 12.5326,
34.1450

■ 27.5720, 24.9118,
36.1564

■ 19.3067, 10.8175,
33.8716

■ 30.1499, 29.5584,
36.9174

■ 18.4512, 9.5720,
33.6762

■ 33.0717, 34.8853,
37.7916

■ 17.8079, 8.7436,
33.5503

■ 36.3507, 40.9193,
38.7835

■ 17.3177, 8.2144,
33.4739

■ 39.9995, 47.6854,
39.8972

■ 17.2997, 8.1954,
33.4712

■ 44.0302, 55.2077,
41.1367

■ 48.4540, 63.5088,
42.5058

■ 53.2820, 72.6107,
44.0082

Harmonies

Analogous

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



19.7919, 17.5443, 46.2182



23.3898, 17.5443, 34.9545



25.2306, 17.5443, 21.7357

Triad

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



23.3898, 17.5443, 34.9545



17.5710, 17.5443, 4.7752



10.7182, 17.5443, 28.8217

Complementary

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



23.3898, 17.5443, 34.9545



20.1034, 28.5247, 15.5133

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.



10.3123, 17.5443, 16.6915



23.3898, 17.5443, 34.9545



13.9044, 17.5443, 5.4305

Square

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



23.3898, 17.5443, 34.9545



21.5504, 17.5443, 6.5947



11.3872, 17.5443, 8.9569



12.5972, 17.5443, 41.8229

Rectangle

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



23.3898, 17.5443, 34.9545



25.0392, 17.5443, 14.6224



11.3872, 17.5443, 8.9569



10.4183, 17.5443, 24.4159

Sweetspot

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



23.3904, 17.5451, 34.9549



52.7332, 50.6509, 65.7407



15.9677, 14.7610, 34.8087



11.7603, 11.1874, 14.7832



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.



23.3904, 17.5451, 34.9549



39.1519, 26.7568, 61.8445



22.8441, 17.4824, 25.0373



6.8316, 6.7172, 8.3432



13.6855, 6.4841, 26.4375



0.2633, 0.1255, 0.4736

Inverse Universe

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



20.9296, 16.7166, 14.9560



34.2018, 25.1190, 20.3168



20.6218, 28.6432, 22.2595



6.6615, 6.6575, 7.0688



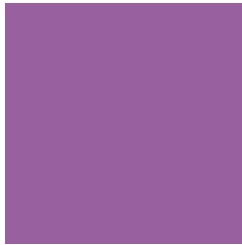
11.3856, 5.8588, 1.0157



0.2112, 0.1078, 0.0585

Previews

White Background



This preview shows how the XYZ color 23.3898, 17.5443, 34.9545 looks on a white background.

Color Contrast Check

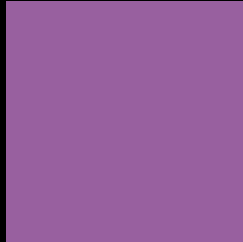
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3898, 17.5443, 34.9545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

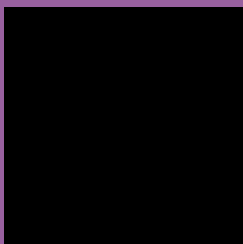
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3898, 17.5443, 34.9545

Background



This preview shows how black text looks on a background with the XYZ color 23.3898, 17.5443, 34.9545.



This preview shows how white text looks on a background with the XYZ color 23.3898, 17.5443,

34.9545.

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

23.3898, 17.5443, 34.9545

Protanopia

18.5946, 17.8043, 42.5009

Deuteranopia

17.9910, 17.6922, 33.4771



Tritanopia

20.0454, 17.6340, 18.2668

Trichromacy



Original Color

23.3898, 17.5443, 34.9545

Protanomaly

19.7265, 17.3027, 39.8362

Deuteranomaly

19.5317, 17.3364, 33.7693

Tritanomaly

20.9934, 17.4103, 23.3732

Monochromacy



Original Color

23.3898, 17.5443, 34.9545

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.5032, 17.9956, 24.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3898, 17.5443, 34.9545 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, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(152, 96, 159)  
}
```

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, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 23.3898, 17.5443, 34.9545 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, 96, 159) }
```


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

```
.border{ border-color:rgb(152, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(152, 96,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3898, 17.5443, 34.9545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 96, 159) }
```

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

```
.background{ background-color: rgb(152, 96,  
159) }
```

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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