

Converting Colors

XYZ(16.8119, 13.8590, 23.9803)

Have a look what the booklet for
XYZ(16.8119, 13.8590, 23.9803)
contains.

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Color

**XYZ(16.8132, 13.8598,
23.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	7F5C85
RGB	127, 92, 133
RGB Percent	50%, 36%, 52%
CMY	0.5020, 0.6392, 0.4784
CMYK	0.05, 0.31, 0.00, 0.48
HSL	291°, 18%, 44%
HSV	291°, 31%, 52%
XYZ	16.8132, 13.8598, 23.9794
YIQ	107.1390, 7.6990, 20.1710

Conversions

Conversions Part 2

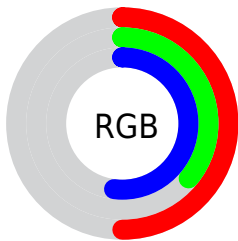
Format	Color
R_{YB}	127, 92, 133
Decimal	8346757
CIE _{Lab}	44.03, 21.92, -17.28
CIE _{LCh}	44, 27.912, 321.759
Yxy	13.8598, 0.3076, 0.2536
Android (android.graphics.Color)	4286536837 (0xFF7F5C85)
YUV	107.1390, 12.7495, 17.4181
Hunter-Lab	37.2288, 15.4636, -12.1291

Details

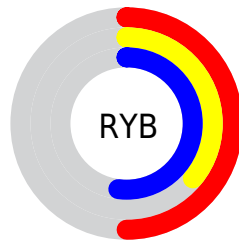
The XYZ color **16.8132, 13.8598, 23.9794** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.3568, 20.1448, 13.2049**, and the grayscale version is **13.9783, 14.7063, 16.0151**.

A 20% lighter version of the original color is **37.5078, 32.8934, 50.8266**, and **5.5603, 4.0791, 8.6779** is the 20% darker color. If you saturate the color by 10%, you get **15.4737, 11.6068, 23.6153**, and if you desaturate by 10%, it is **18.3615, 16.5215, 24.4118**.

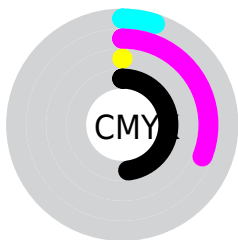
Distribution



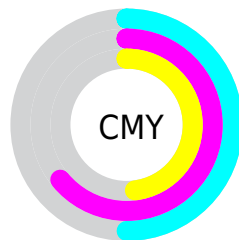
- Red (50%)
- Green (36%)
- Blue (52%)



- Red (50%)
- Yellow (36%)
- Blue (52%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (48%)



- Cyan (50%)
- Magenta (64%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8132, 13.8598, 23.9794 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 16.8132, 13.8598, 23.9794 by changing the saturation by 10% instead.

16.8132, 13.8598,
23.9794

16.8132, 13.8598,
23.9794

227.2709,
216.3569, 285.9995

10.1959, 8.0232,
15.1063

37.5505, 32.8401,
50.9400

5.5923, 4.1098,
8.7466

52.4011, 46.7525,
69.8645

2.6371, 1.7352,
4.4817

70.7270, 64.1257,
92.9767

0.9649, 0.4463,
1.8931

92.8933, 85.3441,
120.6949

0.0000, 0.0000,
0.4884

119.2655,
110.7920, 153.4377

0.0000, 0.0000,
0.0000

150.2089,

140.8538, 191.6238

186.0889,
175.9140, 235.6715

■ 16.8132, 13.8598,
23.9794

■ 16.8132, 13.8598,
23.9794

■ 15.4737, 11.6068,
23.6153

■ 18.3615, 16.5215,
24.4118

■ 14.3311, 9.7394,
23.3151

■ 20.1270, 19.6097,
24.9148

■ 13.3741, 8.2353,
23.0752

■ 22.1195, 23.1433,
25.4918

■ 12.5901, 7.0688,
22.8914

■ 24.3475, 27.1397,
26.1458

■ 11.9645, 6.2110,
22.7588

■ 26.8194, 31.6151,
26.8793

■ 11.4804, 5.6281,
22.6718

■ 29.5428, 36.5852,
27.6951

■ 11.1131, 5.2399,
22.6162

■ 32.5252, 42.0647,
28.5956

■ 35.7739, 48.0679,
29.5831

■ 39.2955, 54.6085,
30.6600

Harmonies

Analogous

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



14.8177, 13.8598, 29.5069



16.8132, 13.8598, 23.9794



17.8587, 13.8598, 16.9094

Triad

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



16.8132, 13.8598, 23.9794



13.7939, 13.8598, 5.9461



9.5975, 13.8598, 20.0844

Complementary

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



16.8132, 13.8598, 23.9794



15.3568, 20.1448, 13.2049

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.



9.3887, 13.8598, 13.4078



16.8132, 13.8598, 23.9794



11.6554, 13.8598, 6.3549

Square

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



16.8132, 13.8598, 23.9794



15.9921, 13.8598, 7.3896



10.1008, 13.8598, 8.7253



10.7069, 13.8598, 26.8543

Rectangle

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



16.8132, 13.8598, 23.9794



17.8031, 13.8598, 12.7371



10.1008, 13.8598, 8.7253



9.4251, 13.8598, 17.7183

Sweetspot

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



16.8136, 13.8604, 23.9797



36.5933, 36.0871, 44.7752



13.0296, 12.7329, 23.9615



8.1474, 7.9594, 10.0596



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.8136, 13.8604, 23.9797



28.3882, 21.9153, 42.4723



16.8093, 13.9650, 19.1528



4.7927, 4.7292, 5.8610



10.5905, 4.9937, 21.5424



0.0412, 0.0196, 0.0748

Inverse Universe

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



15.7051, 13.5233, 13.3385



26.1243, 21.2420, 20.0600



15.4214, 20.0987, 16.7985



4.6983, 4.6990, 5.0236



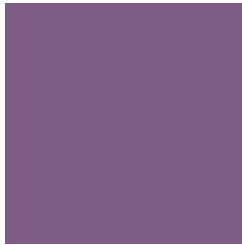
9.3314, 4.7969, 1.0516



0.0340, 0.0173, 0.0123

Previews

White Background



This preview shows how the XYZ color 16.8132, 13.8598, 23.9794 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 16.8132, 13.8598, 23.9794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

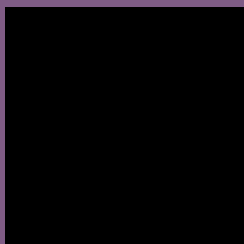
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8132, 13.8598, 23.9794

Background



This preview shows how black text looks on a background with the XYZ color 16.8132, 13.8598, 23.9794.



This preview shows how white text looks on a background with the XYZ color 16.8132, 13.8598,

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

16.8132, 13.8598, 23.9794

Protanopia

14.1722, 13.9507, 27.1451

Deuteranopia

14.2149, 13.9081, 23.4081



Tritanopia

14.9929, 13.7803, 15.2342

Trichromacy



Original Color

16.8132, 13.8598, 23.9794

Protanomaly

14.8750, 13.7619, 25.9171

Deuteranomaly

14.9629, 13.7163, 23.6887

Tritanomaly

15.4989, 13.7073, 18.0485

Monochromacy



Original Color

16.8132, 13.8598, 23.9794

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8432, 14.3411, 18.5088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8132, 13.8598, 23.9794 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(127, 92, 133)` looks like.

```
.text, #text, p{  
    color:rgb(127, 92, 133)  
}
```

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(127, 92, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 92, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.8132, 13.8598, 23.9794 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(127, 92, 133) }
```


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

```
.border{ border-color:rgb(127, 92, 133) }
```

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

Here you see how a box with a 4 pixel rgb(127, 92, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 92, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 92, 133);  
box-shadow:4px 4px 4px 4px rgb(127, 92,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8132, 13.8598, 23.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 92, 133) }
```

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

```
.background{ background-color: rgb(127, 92,  
133) }
```

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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