

Converting Colors

XYZ(23.6548, 17.7152, 23.8434)

Have a look what the booklet for
XYZ(23.6548, 17.7152, 23.8434)
contains.

XYZ(23.6846, 17.6707, 23.9923)	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(23.6846, 17.6707,
23.9923)**

Conversions

Conversions Part 1

Format	Color
Hex	A55E84
RGB	165, 94, 132
RGB Percent	65%, 37%, 52%
CMY	0.3529, 0.6314, 0.4824
CMYK	0.00, 0.43, 0.20, 0.35
HSL	328°, 28%, 51%
HSV	328°, 43%, 65%
XYZ	23.6846, 17.6707, 23.9923
YIQ	119.5610, 30.1180, 26.8700

Conversions

Conversions Part 2

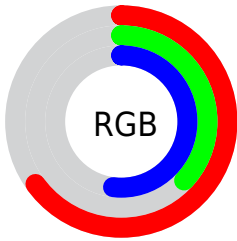
Format	Color
R_{YB}	165, 94, 132
Decimal	10837636
CIE _{Lab}	49.09, 34.06, -8.57
CIE _{LCh}	49, 35.122, 345.879
Yxy	17.6707, 0.3624, 0.2704
Android (android.graphics.Color)	4289027716 (0xFFA55E84)
YUV	119.5610, 6.1324, 39.8500
Hunter-Lab	42.0365, 27.0081, -4.4141

Details

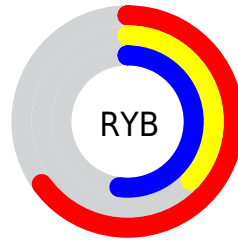
The XYZ color **23.6846, 17.6707, 23.9923** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.9028, 30.8227, 24.8751**, and the grayscale version is **17.6875, 18.6086, 20.2648**.

A 20% lighter version of the original color is **48.8546, 39.4327, 50.9353**, and **9.0553, 5.8808, 8.8415** is the 20% darker color. If you saturate the color by 10%, you get **21.8655, 14.8416, 20.8911**, and if you desaturate by 10%, it is **25.8570, 21.1441, 27.4020**.

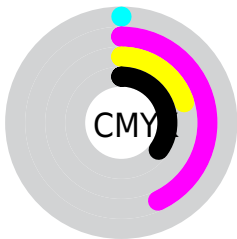
Distribution



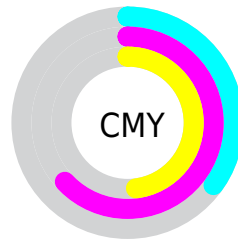
- Red (65%)
- Green (37%)
- Blue (52%)



- Red (65%)
- Yellow (37%)
- Blue (52%)



- Cyan (0%)
- Magenta (43%)
- Yellow (20%)
- Black (35%)





- Cyan (35%)
- Magenta (63%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6846, 17.6707, 23.9923 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 23.6846, 17.6707, 23.9923 by changing the saturation by 10% instead.


 23.6846, 17.6707,
23.9923

 23.6846, 17.6707,
23.9923


263.6922,
239.0083, 286.0669


 15.2233, 10.7138,
15.1158


 48.9735, 39.4754,
50.9613

 9.0636, 5.8747,
8.7531


 66.5317, 55.0920,
69.8909

 4.8401, 2.7691,
4.4859

 87.8530, 74.3640,
93.0085

 2.1876, 1.0124,
1.8955

 113.3026, 97.6758,
120.7328

 0.7362, 0.0000,
0.4899

143.2460,
125.4117, 153.4822

 0.0000, 0.0000,
0.0000

178.0485,

157.9562, 191.6753

218.0755,
195.6936, 235.7307

■ 23.6846, 17.6707,
23.9923

■ 23.6846, 17.6707,
23.9923

■ 21.8655, 14.8416,
20.8911

■ 25.8570, 21.1441,
27.4020

■ 20.3771, 12.6137,
18.0863

■ 28.4002, 25.2966,
31.1295

■ 19.1966, 10.9425,
15.5662

■ 31.3326, 30.1630,
35.1849

■ 18.2973, 9.7760,
13.3177

■ 34.6708, 35.7754,
39.5774

■ 17.6475, 9.0524,
11.3256

■ 38.4302, 42.1638,
44.3158

■ 17.2913, 8.7090,
10.0689

■ 42.6257, 49.3564,
49.4086

■ 47.2712, 57.3802,
54.8638

■ 52.3802, 66.2608,
60.6893

■ 57.9653, 76.0228,
66.8927

Harmonies

Analogous

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



21.7422, 17.6707, 34.7542



23.6846, 17.6707, 23.9923



23.6217, 17.6707, 14.7093

Triad

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



23.6846, 17.6707, 23.9923



15.1282, 17.6707, 6.5713



12.7761, 17.6707, 35.3387

Complementary

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



23.6846, 17.6707, 23.9923



21.9028, 30.8227, 24.8751

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.



11.4301, 17.6707, 24.6179



23.6846, 17.6707, 23.9923



12.6624, 17.6707, 9.2059

Square

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



23.6846, 17.6707, 23.9923



18.3817, 17.6707, 6.5014



11.3914, 17.6707, 15.1614



15.3032, 17.6707, 42.6118

Rectangle

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



23.6846, 17.6707, 23.9923



22.4417, 17.6707, 10.4769



11.3914, 17.6707, 15.1614



12.1859, 17.6707, 31.8871

Sweetspot

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



23.6851, 17.6715, 23.9927



55.9964, 53.8226, 62.8544



19.3919, 15.1549, 37.5006



11.9872, 11.3417, 13.3956



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.



23.6851, 17.6715, 23.9927



39.1816, 26.6141, 37.4539



21.7038, 16.8790, 13.5593



7.2248, 7.1464, 8.1701



13.1064, 6.5986, 7.7511



0.2990, 0.1481, 0.2872

Inverse Universe

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



23.6851, 17.6715, 23.9927



39.1816, 26.6141, 37.4539



24.5446, 31.8794, 38.7866



7.2248, 7.1464, 8.1701



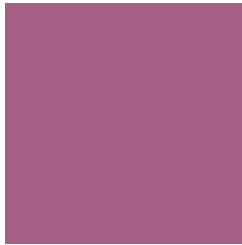
13.1064, 6.5986, 7.7511



0.2990, 0.1481, 0.2872

Previews

White Background



This preview shows how the XYZ color 23.6846, 17.6707, 23.9923 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 23.6846, 17.6707, 23.9923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

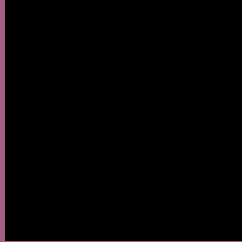
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6846, 17.6707, 23.9923

Background



This preview shows how black text looks on a background with the XYZ color 23.6846, 17.6707, 23.9923.



This preview shows how white text looks on a background with the XYZ color 23.6846, 17.6707,

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

23.6846, 17.6707, 23.9923

Protanopia

17.9423, 17.9124, 30.1155

Deuteranopia

18.1481, 17.8306, 23.2540



Tritanopia

21.9637, 17.6457, 15.8840

Trichromacy



Original Color

23.6846, 17.6707, 23.9923

Protanomaly

19.4510, 17.4239, 27.9292

Deuteranomaly

19.7682, 17.5304, 23.4609

Tritanomaly

22.4735, 17.5737, 18.4272

Monochromacy



Original Color

23.6846, 17.6707, 23.9923

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.4759, 18.0584, 21.5279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6846, 17.6707, 23.9923 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(165, 94, 132)` looks like.

```
.text, #text, p{  
    color:rgb(165, 94, 132)  
}
```

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(165, 94, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 94, 132) }
```

Border

The CSS property to change the border of an element to XYZ 23.6846, 17.6707, 23.9923 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(165, 94, 132) }
```


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

```
.border{ border-color:rgb(165, 94, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 94, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 94, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 94, 132);  
box-shadow:4px 4px 4px 4px rgb(165, 94,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6846, 17.6707, 23.9923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 94, 132) }
```

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

```
.background{ background-color: rgb(165, 94,  
132) }
```

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