

Converting Colors

XYZ(16.6320, 13.8165, 23.8495)

Have a look what the booklet for
XYZ(16.6320, 13.8165, 23.8495)
contains.

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Color

**XYZ(16.6650, 13.7834,
23.9724)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5C85
RGB	126, 92, 133
RGB Percent	49%, 36%, 52%
CMY	0.5059, 0.6392, 0.4784
CMYK	0.05, 0.31, 0.00, 0.48
HSL	290°, 18%, 44%
HSV	290°, 31%, 52%
XYZ	16.6650, 13.7834, 23.9724
YIQ	106.8400, 7.1030, 19.9590

Conversions

Conversions Part 2

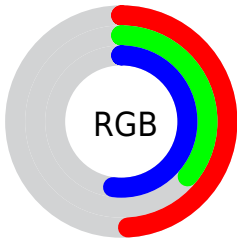
Format	Color
R_{YB}	126, 92, 133
Decimal	8281221
CIE _{Lab}	43.92, 21.57, -17.46
CIE _{LCh}	44, 27.749, 321.021
Yxy	13.7834, 0.3062, 0.2533
Android (android.graphics.Color)	4286471301 (0xFF7E5C85)
YUV	106.8400, 12.8969, 16.8033
Hunter-Lab	37.1260, 15.1540, -12.2956

Details

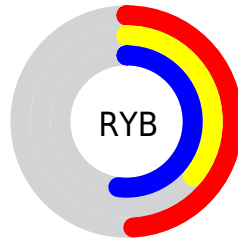
The XYZ color **16.6650, 13.7834, 23.9724** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.4653, 20.2007, 13.2099**, and the grayscale version is **13.8953, 14.6190, 15.9200**.

A 20% lighter version of the original color is **37.2758, 32.7738, 50.8157**, and **5.4802, 4.0378, 8.6741** is the 20% darker color. If you saturate the color by 10%, you get **15.2816, 11.5077, 23.6063**, and if you desaturate by 10%, it is **18.2592, 16.4688, 24.4069**.

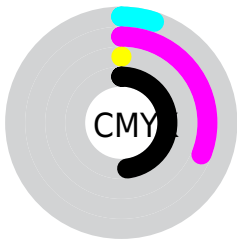
Distribution



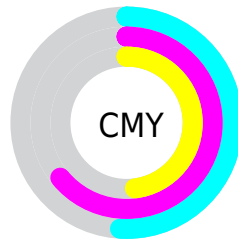
- Red (49%)
- Green (36%)
- Blue (52%)



- Red (49%)
- Yellow (36%)
- Blue (52%)



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



- Cyan (51%)
- Magenta (64%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6650, 13.7834, 23.9724 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 16.6650, 13.7834, 23.9724 by changing the saturation by 10% instead.

■ 16.6650, 13.7834,
23.9724

■ 16.6650, 13.7834,
23.9724

226.4285,
215.8792, 285.9630

■ 10.0898, 7.9702,
15.1011

■ 37.2971, 32.7042,
50.9284

■ 5.5212, 4.0759,
8.7430

■ 52.0846, 46.5806,
69.8503

■ 2.5941, 1.7161,
4.4794

■ 70.3403, 63.9134,
92.9594

■ 0.9429, 0.4340,
1.8919

■ 92.4295, 85.0872,
120.6743

■ 0.0000, 0.0000,
0.4875

118.7176,
110.4863, 153.4136

■ 0.0000, 0.0000,
0.0000

149.5699,

140.4950, 191.5958

185.3517,
175.4979, 235.6394

■ 16.6650, 13.7834,
23.9724

■ 16.6650, 13.7834,
23.9724

■ 15.2816, 11.5077,
23.6063

■ 18.2592, 16.4688,
24.4069

■ 14.0970, 9.6187,
23.3041

■ 20.0727, 19.5817,
24.9122

■ 13.1000, 8.0940,
23.0623

■ 22.1152, 23.1411,
25.4916

■ 12.2779, 6.9079,
22.8767

■ 24.3953, 27.1643,
26.1479

■ 11.6162, 6.0314,
22.7424

■ 26.9213, 31.6676,
26.8840

■ 11.0978, 5.4309,
22.6538

■ 29.7009, 36.6666,
27.7024

■ 10.7007, 5.0274,
22.5969

■ 32.7417, 42.1762,
28.6056

■ 36.0508, 48.2106,
29.5960

■ 39.6350, 54.7834,
30.6758

Harmonies

Analogous

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



14.6745, 13.7834, 29.3628



16.6650, 13.7834, 23.9724



17.7298, 13.7834, 16.9754

Triad

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



16.6650, 13.7834, 23.9724



13.7709, 13.7834, 5.9517



9.5412, 13.7834, 19.7770

Complementary

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



16.6650, 13.7834, 23.9724



15.4653, 20.2007, 13.2099

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.



9.3569, 13.7834, 13.1984



16.6650, 13.7834, 23.9724



11.6437, 13.7834, 6.3132

Square

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



16.6650, 13.7834, 23.9724



15.9404, 13.7834, 7.4332



10.0847, 13.7834, 8.6137



10.6200, 13.7834, 26.5081

Rectangle

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



16.6650, 13.7834, 23.9724



17.6978, 13.7834, 12.8127



10.0847, 13.7834, 8.6137



9.3778, 13.7834, 17.4403

Sweetspot

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



16.6654, 13.7840, 23.9727



36.5104, 36.0444, 44.7714



13.1588, 12.9913, 24.0045



8.1262, 7.9485, 10.0586



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.



16.6654, 13.7840, 23.9727



28.0673, 21.7499, 42.4572



16.8916, 13.9979, 19.5866



4.7820, 4.7237, 5.8605



10.1984, 4.7916, 21.5241



0.0404, 0.0192, 0.0748

Inverse Universe

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



15.7526, 13.5423, 13.5886



26.2187, 21.2797, 20.5571



15.3506, 20.0703, 16.4256



4.7026, 4.7007, 5.0464



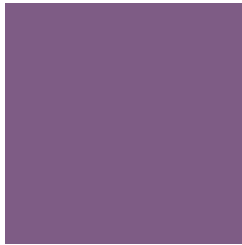
9.3604, 4.8085, 1.2041



0.0343, 0.0174, 0.0141

Previews

White Background



This preview shows how the XYZ color 16.6650, 13.7834, 23.9724 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 16.6650, 13.7834, 23.9724 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 16.6650, 13.7834, 23.9724

Background



This preview shows how black text looks on a background with the XYZ color 16.6650, 13.7834, 23.9724.



This preview shows how white text looks on a background with the XYZ color 16.6650, 13.7834,

23.9724.

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

16.6650, 13.7834, 23.9724

Protanopia

14.1722, 13.9507, 27.1451

Deuteranopia

14.1036, 13.8508, 23.4029



Tritanopia

14.8505, 13.7069, 15.2276

Trichromacy



Original Color

16.6650, 13.7834, 23.9724

Protanomaly

14.8750, 13.7619, 25.9171

Deuteranomaly

14.8392, 13.6525, 23.6829

Tritanomaly

15.3551, 13.6332, 18.0418

Monochromacy



Original Color

16.6650, 13.7834, 23.9724

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 16.6650, 13.7834, 23.9724 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(126, 92, 133)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 92, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 92, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.6650, 13.7834, 23.9724 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(126, 92, 133) }
```


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

```
.border{ border-color:rgb(126, 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(126, 92, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 92, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 92, 133);  
box-shadow:4px 4px 4px 4px rgb(126, 92,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6650, 13.7834, 23.9724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 92, 133) }
```

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

```
.background{ background-color: rgb(126, 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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