

Converting Colors

XYZ(16.1070, 13.2288, 23.8286)

Have a look what the booklet for
XYZ(16.1070, 13.2288, 23.8286)
contains.

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Color

**XYZ(16.0582, 13.2167,
23.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5A85
RGB	123, 90, 133
RGB Percent	48%, 35%, 52%
CMY	0.5176, 0.6470, 0.4784
CMYK	0.08, 0.32, 0.00, 0.48
HSL	286°, 19%, 44%
HSV	286°, 32%, 52%
XYZ	16.0582, 13.2167, 23.8950
YIQ	104.7690, 5.8650, 20.3690

Conversions

Conversions Part 2

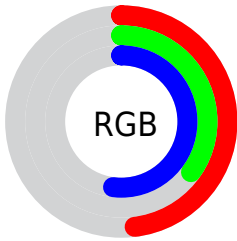
Format	Color
R_{YB}	123, 90, 133
Decimal	8084101
CIE _{Lab}	43.09, 21.72, -18.76
CIE _{LCh}	43, 28.702, 319.184
Yxy	13.2167, 0.3020, 0.2486
Android (android.graphics.Color)	4286274181 (0xFF7B5A85)
YUV	104.7690, 13.9179, 15.9886
Hunter-Lab	36.3548, 15.2240, -13.5213

Details

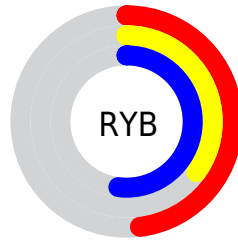
The XYZ color **16.0582, 13.2167, 23.8950** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.4888, 20.2228, 12.7604**, and the grayscale version is **13.3276, 14.0217, 15.2696**.

A 20% lighter version of the original color is **36.1455, 31.5314, 50.6355**, and **5.2097, 3.8424, 8.6507** is the 20% darker color. If you saturate the color by 10%, you get **14.5998, 10.9462, 23.5338**, and if you desaturate by 10%, it is **17.7322, 15.8970, 24.3243**.

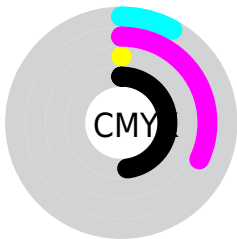
Distribution



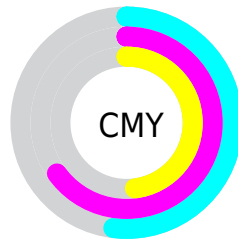
- Red (48%)
- Green (35%)
- Blue (52%)



- Red (48%)
- Yellow (35%)
- Blue (52%)



- Cyan (8%)
- Magenta (32%)
- Yellow (0%)
- Black (48%)



- Cyan (52%)
- Magenta (65%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0582, 13.2167, 23.8950 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 16.0582, 13.2167, 23.8950 by changing the saturation by 10% instead.

■ 16.0582, 13.2167,
23.8950

■ 16.0582, 13.2167,
23.8950

222.9485,
212.3018, 285.5586

■ 9.6565, 7.5779,
15.0443

■ 36.2558, 31.6925,
50.8005

■ 5.2323, 3.8261,
8.7035

■ 50.7825, 45.2984,
69.6923

■ 2.4203, 1.5768,
4.4541

■ 68.7481, 62.3288,
92.7683

■ 0.8553, 0.3419,
1.8776

■ 90.5180, 83.1680,
120.4469

■ 0.0000, 0.0000,
0.4784

■ 116.4577,
108.2006, 153.1467

■ 0.0000, 0.0000,
0.0000

146.9324,

137.8108, 191.2862

182.3076,
172.3831, 235.2840

■ 16.0582, 13.2167,
23.8950

■ 16.0582, 13.2167,
23.8950

■ 14.5998, 10.9462,
23.5338

■ 17.7322, 15.8970,
24.3243

■ 13.3449, 9.0624,
23.2363

■ 19.6305, 19.0054,
24.8243

■ 12.2821, 7.5423,
22.9989

■ 21.7629, 22.5610,
25.3982

■ 11.3982, 6.3599,
22.8173

■ 24.1384, 26.5812,
26.0489

■ 10.6783, 5.4856,
22.6865

■ 26.7651, 31.0825,
26.7793

10.1050, 4.8847,
22.6007

29.6512, 36.0808,
27.5920

9.7213, 4.5224,
22.5510

32.8041, 41.5910,
28.4894

36.2311, 47.6274,
29.4739

39.9393, 54.2038,
30.5478

Harmonies

Analogous

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



14.0100, 13.2167, 29.2065



16.0582, 13.2167, 23.8950



17.2125, 13.2167, 16.7961

Triad

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



16.0582, 13.2167, 23.8950



13.3761, 13.2167, 5.4448



8.9627, 13.2167, 18.7690

Complementary

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



16.0582, 13.2167, 23.8950



15.4888, 20.2228, 12.7604

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.



8.8352, 13.2167, 12.2267



16.0582, 13.2167, 23.8950



11.2176, 13.2167, 5.6886

Square

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



16.0582, 13.2167, 23.8950



15.5476, 13.2167, 7.0088



9.6142, 13.2167, 7.8146



9.9855, 13.2167, 25.6982

Rectangle

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



16.0582, 13.2167, 23.8950



17.2384, 13.2167, 12.5355



9.6142, 13.2167, 7.8146



8.8186, 13.2167, 16.4206

Sweetspot

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



16.0586, 13.2173, 23.8953



35.9213, 35.3055, 44.6598



13.0109, 12.9884, 24.0117



7.9943, 7.7908, 10.0351



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.



16.0586, 13.2173, 23.8953



26.7489, 20.5303, 42.2913



16.8134, 13.6929, 20.0183



4.7549, 4.7097, 5.8592



9.2669, 4.3114, 21.4805



0.0385, 0.0182, 0.0747

Inverse Universe

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



15.6296, 13.2194, 13.7848



25.9349, 20.5842, 20.8566



14.9763, 19.8978, 15.4839



4.7137, 4.7052, 5.1046



9.4510, 4.8448, 1.6816



0.0352, 0.0178, 0.0186

Previews

White Background



This preview shows how the XYZ color 16.0582, 13.2167, 23.8950 looks on a white background.

Color Contrast Check

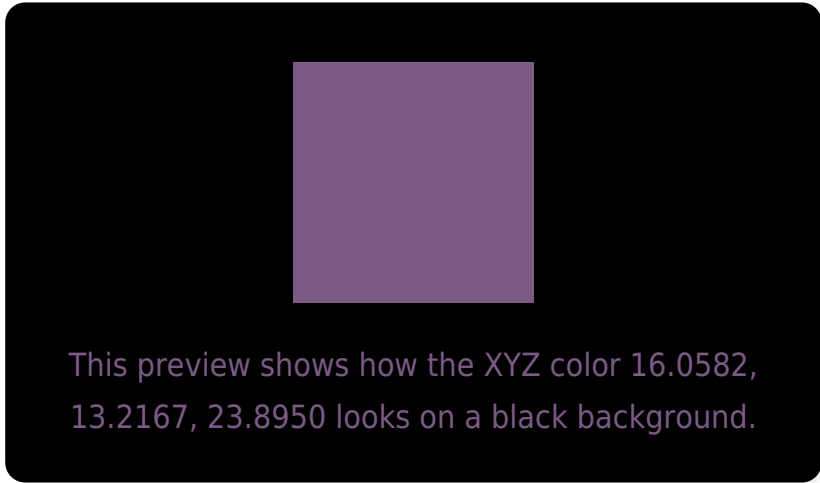
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.0582, 13.2167, 23.8950

Background



This preview shows how black text looks on a background with the XYZ color 16.0582, 13.2167, 23.8950.



This preview shows how white text looks on a background with the XYZ color 16.0582, 13.2167,

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

16.0582, 13.2167, 23.8950

Protanopia

13.6778, 13.4041, 27.0657

Deuteranopia

13.5837, 13.2944, 23.3229



Tritanopia

14.2388, 13.2670, 14.6423

Trichromacy



Original Color

16.0582, 13.2167, 23.8950

Protanomaly

14.3416, 13.2091, 25.8385

Deuteranomaly

14.2916, 13.0959, 23.6043

Tritanomaly

14.7857, 13.2134, 17.6907

Monochromacy



Original Color

16.0582, 13.2167, 23.8950

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.3338, 13.7969, 18.1273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0582, 13.2167, 23.8950 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(123, 90, 133)` looks like.

```
.text, #text, p{  
    color:rgb(123, 90, 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(123, 90, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 90, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.0582, 13.2167, 23.8950 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(123, 90, 133) }
```


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

```
.border{ border-color:rgb(123, 90, 133) }
```

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

Here you see how a box with a 4 pixel rgb(123, 90, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 90, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 90, 133);  
box-shadow:4px 4px 4px 4px rgb(123, 90,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0582, 13.2167, 23.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 90, 133) }
```

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

```
.background{ background-color: rgb(123, 90,  
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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