

Converting Colors

XYZ(23.0987, 16.9875, 23.2421)

Have a look what the booklet for
XYZ(23.0987, 16.9875, 23.2421)
contains.

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Color

**XYZ(23.0802, 16.9864,
23.1813)**

Conversions

Conversions Part 1

Format	Color
Hex	A45B82
RGB	164, 91, 130
RGB Percent	64%, 36%, 51%
CMY	0.3569, 0.6431, 0.4902
CMYK	0.00, 0.45, 0.21, 0.36
HSL	328°, 29%, 50%
HSV	328°, 45%, 64%
XYZ	23.0802, 16.9864, 23.1813
YIQ	117.2730, 30.9890, 27.6050

Conversions

Conversions Part 2

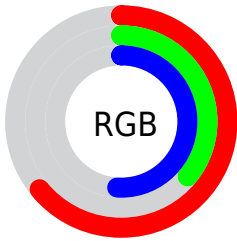
Format	Color
RYB	164, 91, 130
Decimal	10771330
CIELab	48.24, 35.03, -8.66
CIELCh	48, 36.085, 346.115
Yxy	16.9864, 0.3649, 0.2686
Android (android.graphics.Color)	4288961410 (0xFFA45B82)
YUV	117.2730, 6.2744, 40.9796
Hunter-Lab	41.2146, 27.8347, -4.4977

Details

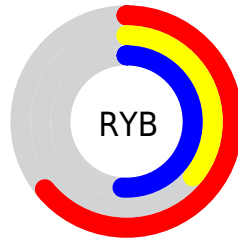
The XYZ color **23.0802, 16.9864, 23.1813** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.2923, 30.2562, 24.1213**, and the grayscale version is **16.9681, 17.8517, 19.4405**.

A 20% lighter version of the original color is **47.8849, 38.2795, 49.6646**, and **8.7436, 5.5650, 8.3979** is the 20% darker color. If you saturate the color by 10%, you get **21.3346, 14.2853, 20.1630**, and if you desaturate by 10%, it is **25.1713, 20.3170, 26.5030**.

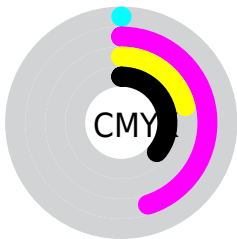
Distribution



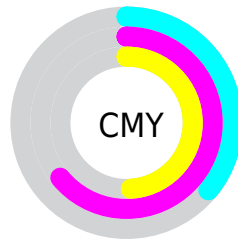
- Red (64%)
- Green (36%)
- Blue (51%)



- Red (64%)
- Yellow (36%)
- Blue (51%)



- Cyan (0%)
- Magenta (45%)
- Yellow (21%)
- Black (36%)



- Cyan (36%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0802, 16.9864, 23.1813 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 23.0802, 16.9864, 23.1813 by changing the saturation by 10% instead.

■ 23.0802, 16.9864,
23.1813

■ 23.0802, 16.9864,
23.1813

260.6643,
235.0940, 281.8069

■ 14.7738, 10.2248,
14.5209

■ 47.9907, 38.3024,
49.6178

■ 8.7460, 5.5483,
8.3410

■ 65.3254, 53.6256,
68.2310

■ 4.6317, 2.5724,
4.2230

■ 86.4003, 72.5714,
90.9988

■ 2.0653, 0.9128,
1.7485

■ 111.5807, 95.5242,
118.3399

■ 0.6703, 0.0000,
0.3936

141.2319,
122.8685, 150.6726

■ 0.0000, 0.0000,
0.0000

175.7194,

154.9887, 188.4157

215.4084,
192.2690, 231.9876

■ 23.0802, 16.9864,
23.1813

■ 23.0802, 16.9864,
23.1813

■ 21.3346, 14.2853,
20.1630

■ 25.1713, 20.3170,
26.5030

■ 19.9119, 12.1708,
17.4359

■ 27.6254, 24.3118,
30.1373

■ 18.7893, 10.5980,
14.9884


■ 30.4608, 29.0057,
34.0942

■ 17.9398, 9.5146,
12.8073


■ 33.6940, 34.4305,
38.3830


■ 17.3310, 8.8574,
10.8771


■ 37.3404, 40.6159,
43.0124

 17.0554, 8.5907,
9.9079

 41.4147, 47.5901,
47.9909

 45.9307, 55.3798,
53.3263

 50.9018, 64.0105,
59.0266

 56.3406, 73.5063,
65.0992

Harmonies

Analogous

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



21.1347, 16.9864, 34.0692



23.0802, 16.9864, 23.1813



22.9996, 16.9864, 13.9180

Triad

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



23.0802, 16.9864, 23.1813



14.4558, 16.9864, 5.9974



12.1530, 16.9864, 34.8219

Complementary

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



23.0802, 16.9864, 23.1813



21.2923, 30.2562, 24.1213

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.



10.8088, 16.9864, 23.9799



23.0802, 16.9864, 23.1813



12.0099, 16.9864, 8.5813

Square

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



23.0802, 16.9864, 23.1813



17.7076, 16.9864, 5.9119



10.7602, 16.9864, 14.4876



14.6772, 16.9864, 42.1784

Rectangle

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



23.0802, 16.9864, 23.1813



21.7996, 16.9864, 9.7559



10.7602, 16.9864, 14.4876



11.5641, 16.9864, 31.3263

Sweetspot

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



23.0807, 16.9872, 23.1816



55.9932, 53.8213, 62.8376



18.7332, 14.4374, 36.9215



11.9864, 11.3414, 13.3914



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.



23.0807, 16.9872, 23.1816



38.8735, 26.1550, 36.8669



21.1013, 16.1954, 12.7581



7.2245, 7.1463, 8.1686



13.1014, 6.5966, 7.7247



0.2989, 0.1481, 0.2867

Inverse Universe

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



23.0807, 16.9872, 23.1816



38.8735, 26.1550, 36.8669



23.9663, 31.3258, 38.2021



7.2245, 7.1463, 8.1686



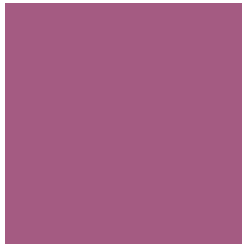
13.1014, 6.5966, 7.7247



0.2989, 0.1481, 0.2867

Previews

White Background



This preview shows how the XYZ color 23.0802, 16.9864, 23.1813 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

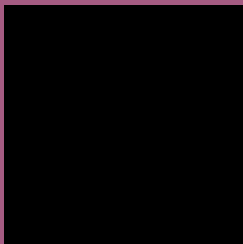
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0802, 16.9864, 23.1813

Background



This preview shows how black text looks on a background with the XYZ color 23.0802, 16.9864, 23.1813.



This preview shows how white text looks on a background with the XYZ color 23.0802, 16.9864,

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

23.0802, 16.9864, 23.1813

Protanopia

17.1916, 17.2048, 29.2028

Deuteranopia

17.4452, 17.1596, 22.1313



Tritanopia

21.3290, 16.9221, 14.9741

Trichromacy



Original Color

23.0802, 16.9864, 23.1813

Protanomaly

18.7897, 16.7907, 27.0615

Deuteranomaly

19.0976, 16.7513, 22.3054

Tritanomaly

21.8836, 16.8790, 17.7274

Monochromacy



Original Color

23.0802, 16.9864, 23.1813

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.7069, 17.1986, 20.7461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0802, 16.9864, 23.1813 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(164, 91, 130)` looks like.

```
.text, #text, p{  
    color:rgb(164, 91, 130)  
}
```

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(164, 91, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 130) }
```

Border

The CSS property to change the border of an element to XYZ 23.0802, 16.9864, 23.1813 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(164, 91, 130) }
```


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

```
.border{ border-color:rgb(164, 91, 130) }
```

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

Here you see how a box with a 4 pixel rgb(164, 91, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 91, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 91, 130);  
box-shadow:4px 4px 4px 4px rgb(164, 91,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0802, 16.9864, 23.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 130) }
```

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

```
.background{ background-color: rgb(164, 91,  
130) }
```

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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