

Converting Colors

XYZ(23.2282, 16.6504, 49.2183)

Have a look what the booklet for
XYZ(23.2282, 16.6504, 49.2183)
contains.

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Color

**XYZ(23.1133, 16.5605,
48.9920)**

Conversions

Conversions Part 1

Format	Color
Hex	895CBB
RGB	137, 92, 187
RGB Percent	54%, 36%, 73%
CMY	0.4627, 0.6392, 0.2667
CMYK	0.27, 0.51, 0.00, 0.27
HSL	268°, 41%, 55%
HSV	268°, 51%, 73%
XYZ	23.1133, 16.5605, 48.9920
YIQ	116.2850, -3.6750, 39.0850

Conversions

Conversions Part 2

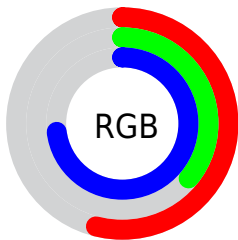
Format	Color
R_{YB}	137, 92, 187
Decimal	9002171
CIE _{Lab}	47.70, 37.51, -43.43
CIE _{LCh}	48, 57.386, 310.822
Yxy	16.5605, 0.2607, 0.1868
Android (android.graphics.Color)	4287192251 (0xFF895CBB)
YUV	116.2850, 34.8625, 18.1671
Hunter-Lab	40.6946, 30.1671, -42.8927

Details

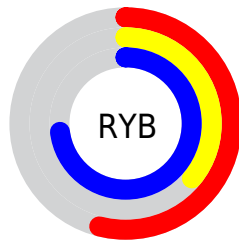
The XYZ color **23.1133, 16.5605, 48.9920** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **30.8577, 42.0645, 16.6186**, and the grayscale version is **16.5856, 17.4493, 19.0023**.

A 20% lighter version of the original color is **48.1439, 37.5140, 90.2914**, and **8.7905, 5.3796, 22.7654** is the 20% darker color. If you saturate the color by 10%, you get **20.1485, 12.9171, 48.4453**, and if you desaturate by 10%, it is **26.6264, 21.0806, 49.6796**.

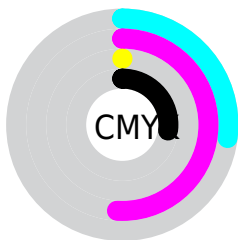
Distribution



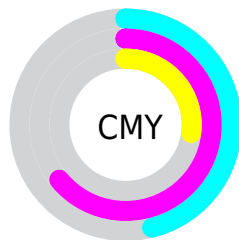
- Red (54%)
- Green (36%)
- Blue (73%)



- Red (54%)
- Yellow (36%)
- Blue (73%)



- Cyan (27%)
- Magenta (51%)
- Yellow (0%)
- Black (27%)



- Cyan (46%)
- Magenta (64%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1133, 16.5605, 48.9920 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 23.1133, 16.5605, 48.9920 by changing the saturation by 10% instead.

■ 23.1133, 16.5605,
48.9920

■ 23.1133, 16.5605,
48.9920

260.8309,
232.6268, 399.3324

■ 14.7983, 9.9216,
34.2476

■ 48.0446, 37.5686,
90.0604

■ 8.7634, 5.3470,
22.8050

■ 65.3916, 52.7066,
117.2215

■ 4.6430, 2.4523,
14.2456

■ 86.4801, 71.4464,
149.3586

■ 2.0720, 0.8526,
8.1510

■ 111.6753, 94.1724,
186.8902

■ 0.6739, 0.0000,
4.1026

141.3426,
121.2691, 230.2348

■ 0.0000, 0.0000,
1.6818

175.8474,

■ 0.0000, 0.0000,

153.1208, 279.8110

0.3482

215.5551,
190.1119, 336.0374

■ 0.0000, 0.0000,
0.0000

■ 23.1133, 16.5605,
48.9920

■ 23.1133, 16.5605,
48.9920

■ 20.1485, 12.9171,
48.4453

■ 26.6264, 21.0806,
49.6796

■ 17.6960, 10.0866,
48.0282

■ 30.7166, 26.5312,
50.5161

■ 15.7185, 7.9991,
47.7295

■ 35.4125, 32.9641,
51.5103

■ 14.1709, 6.5715,
47.5355

■ 40.7406, 40.4263,
52.6698

■ 13.0494, 5.6910,
47.4247

■ 46.7253, 48.9622,
54.0020

■ 53.3898, 58.6130,
55.5135

■ 60.7561, 69.4182,
57.2109

■ 68.8453, 81.4150,
59.1001

■ 75.9622, 91.2088,
60.6154

Harmonies

Analogous

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



17.6669, 16.5605, 62.4776



23.1133, 16.5605, 48.9920



27.0227, 16.5605, 29.0014

Triad

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



23.1133, 16.5605, 48.9920



19.2100, 16.5605, 2.3430



7.9005, 16.5605, 23.8760

Complementary

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



23.1133, 16.5605, 48.9920



30.8577, 42.0645, 16.6186

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.



8.1379, 16.5605, 10.2491



23.1133, 16.5605, 48.9920



13.9591, 16.5605, 2.0801

Square

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



23.1133, 16.5605, 48.9920



24.4521, 16.5605, 5.1474



10.1301, 16.5605, 3.9852



9.3908, 16.5605, 43.5375

Rectangle

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



23.1133, 16.5605, 48.9920



27.8141, 16.5605, 17.6292



10.1301, 16.5605, 3.9852



7.7908, 16.5605, 18.4400

Sweetspot

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



23.1140, 16.5611, 48.9924



68.5849, 66.2342, 93.3711



23.1563, 25.4087, 50.6979



14.6612, 13.9670, 20.4657



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1140, 16.5611, 48.9924



35.5182, 22.4597, 86.6645



32.5244, 21.4124, 49.4328



9.4347, 9.4410, 11.9972



9.0733, 3.9635, 32.6797



0.4310, 0.1942, 1.2836

Inverse Universe

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



29.2035, 20.1726, 27.9459



48.2197, 30.0003, 42.4055



24.4392, 38.7556, 16.3182



9.7343, 9.6180, 10.9897



15.6897, 7.9070, 8.9253



0.6474, 0.3229, 0.5225

Previews

White Background



This preview shows how the XYZ color 23.1133, 16.5605, 48.9920 looks on a white background.

Color Contrast Check

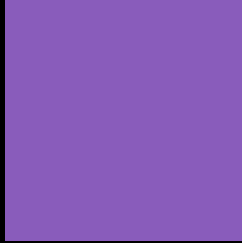
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1133, 16.5605, 48.9920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

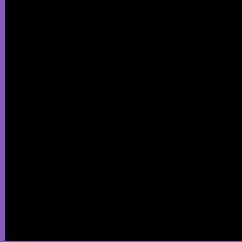
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1133, 16.5605, 48.9920

Background



This preview shows how black text looks on a background with the XYZ color 23.1133, 16.5605, 48.9920.

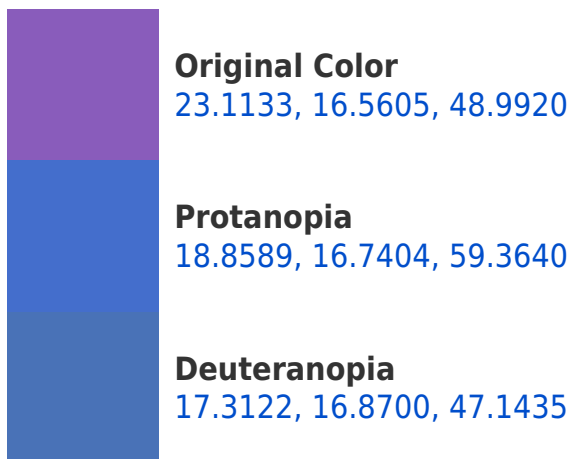


This preview shows how white text looks on a background with the XYZ color 23.1133, 16.5605,

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





Tritanopia

17.0508, 16.5304, 19.4315

Trichromacy



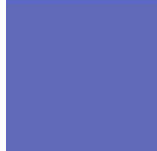
Original Color

23.1133, 16.5605, 48.9920



Protanomaly

19.5575, 16.1049, 55.5038



Deuteranomaly

18.6296, 16.2556, 47.5031



Tritanomaly

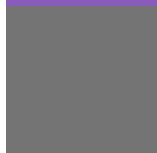
18.8614, 16.3508, 28.1485

Monochromacy



Original Color

23.1133, 16.5605, 48.9920



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

18.4524, 16.7535, 27.8524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1133, 16.5605, 48.9920 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(137, 92, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 92, 187)  
}
```

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(137, 92, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 92, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.1133, 16.5605, 48.9920 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(137, 92, 187) }
```


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

```
.border{ border-color:rgb(137, 92, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 92, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 92, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 92, 187); box-shadow:4px 4px 4px 4px rgb(137, 92, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1133, 16.5605, 48.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 92, 187) }
```

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

```
.background{ background-color: rgb(137, 92,  
187) }
```

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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