

Converting Colors

XYZ(23.0340, 19.5456, 34.9516)

Have a look what the booklet for
XYZ(23.0340, 19.5456, 34.9516)
contains.

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Color

**XYZ(23.0113, 19.5883,
34.9158)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6F9E
RGB	142, 111, 158
RGB Percent	56%, 44%, 62%
CMY	0.4431, 0.5647, 0.3804
CMYK	0.10, 0.30, 0.00, 0.38
HSL	280°, 20%, 53%
HSV	280°, 30%, 62%
XYZ	23.0113, 19.5883, 34.9158
YIQ	125.6270, 3.3890, 21.1890

Conversions

Conversions Part 2

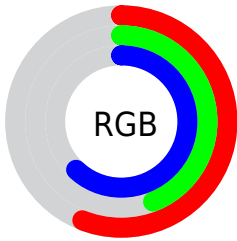
Format	Color
R_{YB}	142, 111, 158
Decimal	9334686
CIE _{Lab}	51.37, 21.25, -20.74
CIE _{LCh}	51, 29.693, 315.690
Yxy	19.5883, 0.2969, 0.2527
Android (android.graphics.Color)	4287524766 (0xFF8E6F9E)
YUV	125.6270, 15.9599, 14.3591
Hunter-Lab	44.2587, 15.3544, -15.7930

Details

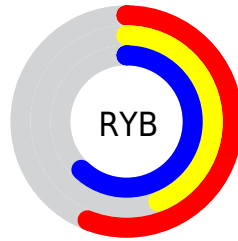
The XYZ color **23.0113, 19.5883, 34.9158** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.8492, 30.1139, 19.5955**, and the grayscale version is **19.6521, 20.6755, 22.5156**.

A 20% lighter version of the original color is **47.8724, 42.7342, 68.6762**, and **8.6934, 6.8198, 14.4938** is the 20% darker color. If you saturate the color by 10%, you get **20.5369, 15.9762, 34.3493**, and if you desaturate by 10%, it is **25.8365, 23.8349, 35.5869**.

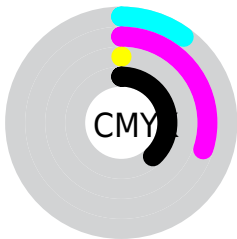
Distribution



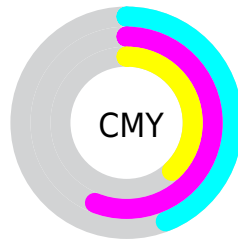
- Red (56%)
- Green (44%)
- Blue (62%)



- Red (56%)
- Yellow (44%)
- Blue (62%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)



- Cyan (44%)
- Magenta (56%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0113, 19.5883, 34.9158 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 23.0113, 19.5883, 34.9158 by changing the saturation by 10% instead.

■ 23.0113, 19.5883,
34.9158

■ 23.0113, 19.5883,
34.9158

260.3173,
249.6775, 339.0895

■ 14.7226, 12.0961,
23.3150

■ 47.8784, 42.7259,
68.5054

■ 8.7100, 6.8092,
14.6188

■ 65.1875, 59.1400,
91.3313

■ 4.6081, 3.3431,
8.4086

■ 86.2341, 79.2970,
118.7359

■ 2.0516, 1.3133,
4.2660

■ 111.3836,
103.5812, 151.1378

■ 0.6627, 0.1515,
1.7724

141.0013,
132.3769, 188.9556

■ 0.0000, 0.0000,
0.4096

175.4526,

■ 0.0000, 0.0000,

166.0686, 232.6078

0.0000

215.1028,
205.0407, 282.5129

■ 23.0113, 19.5883,
34.9158

■ 23.0113, 19.5883,
34.9158

■ 20.5369, 15.9762,
34.3493

■ 25.8365, 23.8349,
35.5869

■ 18.3946, 12.9637,
33.8808

■ 29.0260, 28.7436,
36.3662

■ 16.5669, 10.5162,
33.5047

■ 32.5951, 34.3433,
37.2590

■ 15.0338, 8.5944,
33.2145

■ 36.5573, 40.6606,
38.2695

■ 13.7725, 7.1539,
33.0030

■ 40.9256, 47.7206,
39.4020

■ 12.7565, 6.1428,
32.8614

■ 45.7124, 55.5470,
40.6604

■ 11.9255, 5.4414,
32.7698

■ 50.9295, 64.1626,
42.0484

■ 11.9052, 5.4244,
32.7676

■ 56.5881, 73.5894,
43.5697

■ 62.6992, 83.8481,
45.2277

Harmonies

Analogous

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



20.2058, 19.5883, 41.2690



23.0113, 19.5883, 34.9158



24.7186, 19.5883, 25.6319

Triad

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



23.0113, 19.5883, 34.9158



20.0657, 19.5883, 9.0808



13.6431, 19.5883, 26.0647

Complementary

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



23.0113, 19.5883, 34.9158



23.8492, 30.1139, 19.5955

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.



13.6142, 19.5883, 17.5356



23.0113, 19.5883, 34.9158



17.1158, 19.5883, 9.1387

Square

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



23.0113, 19.5883, 34.9158



22.8994, 19.5883, 11.6343



14.8230, 19.5883, 11.8214



14.9067, 19.5883, 35.3044

Rectangle

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



23.0113, 19.5883, 34.9158



24.8991, 19.5883, 19.7472



14.8230, 19.5883, 11.8214



13.4936, 19.5883, 22.9916

Sweetspot

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



23.0119, 19.5891, 34.9162



53.0609, 52.7425, 66.1271



20.3755, 21.1442, 35.3553



11.7715, 11.5938, 14.8611



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.0119, 19.5891, 34.9162



38.5963, 30.8900, 62.6716



25.3674, 20.8715, 31.9489



6.6847, 6.6414, 8.3363



9.5780, 4.3667, 26.2453



0.2147, 0.1005, 0.4713

Inverse Universe

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



23.6164, 20.1711, 22.7283



40.0130, 32.2070, 36.2329



22.0561, 29.1429, 21.6187



6.7216, 6.6816, 7.3851



11.8394, 6.0403, 3.4051



0.2305, 0.1155, 0.1597

Previews

White Background



This preview shows how the XYZ color 23.0113, 19.5883, 34.9158 looks on a white 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

Black Background



This preview shows how the XYZ color 23.0113, 19.5883, 34.9158 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 23.0113, 19.5883, 34.9158

Background



This preview shows how black text looks on a background with the XYZ color 23.0113, 19.5883, 34.9158.



This preview shows how white text looks on a background with the XYZ color 23.0113, 19.5883,

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

23.0113, 19.5883, 34.9158

Protanopia

20.0593, 19.7064, 38.3438

Deuteranopia

20.0533, 19.6151, 34.1817



Tritanopia

20.4437, 19.5473, 22.4342

Trichromacy



Original Color

23.0113, 19.5883, 34.9158

Protanomaly

20.9089, 19.4688, 36.8383

Deuteranomaly

21.0513, 19.5925, 34.5705

Tritanomaly

21.3656, 19.5854, 26.6990

Monochromacy



Original Color

23.0113, 19.5883, 34.9158

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9405, 20.4153, 26.8816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0113, 19.5883, 34.9158 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(142, 111, 158)` looks like.

```
.text, #text, p{  
    color:rgb(142, 111, 158)  
}
```

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(142, 111, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 111, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.0113, 19.5883, 34.9158 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(142, 111, 158) }
```


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

```
.border{ border-color:rgb(142, 111, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 111, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 111, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 111, 158);  
box-shadow:4px 4px 4px 4px rgb(142, 111,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0113, 19.5883, 34.9158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 111, 158) }
```

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

```
.background{ background-color: rgb(142,  
111, 158) }
```

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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