

Converting Colors

XYZ(23.5939, 19.8278, 33.4453)

Have a look what the booklet for
XYZ(23.5939, 19.8278, 33.4453)
contains.

XYZ(23.5249, 19.7215, 33.5771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5249, 19.7215,
33.5771)**

Conversions

Conversions Part 1

Format	Color
Hex	936E9B
RGB	147, 110, 155
RGB Percent	58%, 43%, 61%
CMY	0.4235, 0.5686, 0.3922
CMYK	0.05, 0.29, 0.00, 0.39
HSL	289°, 18%, 52%
HSV	289°, 29%, 61%
XYZ	23.5249, 19.7215, 33.5771
YIQ	126.1930, 7.6070, 21.8390

Conversions

Conversions Part 2

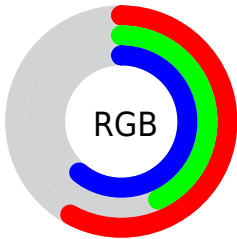
Format	Color
RYB	147, 110, 155
Decimal	9662107
CIELab	51.52, 22.89, -18.71
CIElCh	52, 29.563, 320.746
Yxy	19.7215, 0.3062, 0.2567
Android (android.graphics.Color)	4287852187 (0xFF936E9B)
YUV	126.1930, 14.2019, 18.2477
Hunter-Lab	44.4089, 16.8419, -13.7423

Details

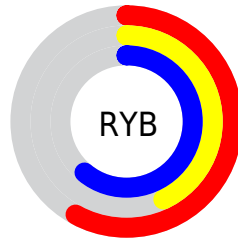
The XYZ color **23.5249, 19.7215, 33.5771** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.0079, 28.4206, 19.0787**, and the grayscale version is **19.8488, 20.8825, 22.7410**.

A 20% lighter version of the original color is **48.6406, 42.9113, 66.6918**, and **9.0452, 6.9315, 13.9579** is the 20% darker color. If you saturate the color by 10%, you get **21.5085, 16.4132, 33.0451**, and if you desaturate by 10%, it is **25.8469, 23.6226, 34.2080**.

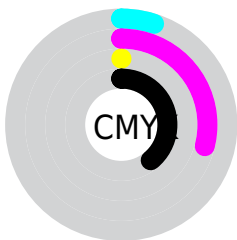
Distribution



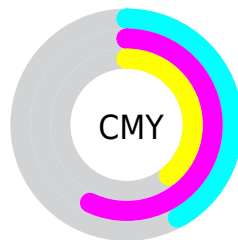
- Red (58%)
- Green (43%)
- Blue (61%)



- Red (58%)
- Yellow (43%)
- Blue (61%)



- Cyan (5%)
- Magenta (29%)
- Yellow (0%)
- Black (39%)



- Cyan (42%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5249, 19.7215, 33.5771 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 23.5249, 19.7215, 33.5771 by changing the saturation by 10% instead.

■ 23.5249, 19.7215,
33.5771

■ 23.5249, 19.7215,
33.5771

262.8949,
250.4034, 332.9536

■ 15.1044, 12.1928,
22.2942

■ 48.7141, 42.9498,
66.4018

■ 8.9795, 6.8751,
13.8728

■ 66.2136, 59.4181,
88.7807

■ 4.7848, 3.3841,
7.8945

■ 87.4700, 79.6350,
115.6954

■ 2.1550, 1.3354,
3.9407

■ 112.8488,
103.9851, 147.5643

■ 0.7189, 0.1684,
1.5929

142.7154,
132.8525, 184.8061

■ 0.0000, 0.0000,
0.2857

177.4350,

■ 0.0000, 0.0000,

166.6218, 227.8392

0.0000

217.3731,
205.6773, 277.0822

■ 23.5249, 19.7215,
33.5771

■ 23.5249, 19.7215,
33.5771

■ 21.5085, 16.4132,
33.0451

■ 25.8469, 23.6226,
34.2080

■ 19.7806, 13.6648,
32.6057

■ 28.4869, 28.1424,
34.9413

■ 18.3250, 11.4437,
32.2537

■ 31.4587, 33.3081,
35.7817

■ 17.1233, 9.7131,
31.9830

■ 34.7750, 39.1447,
36.7335

■ 16.1546, 8.4315,
31.7867

■ 38.4475, 45.6757,
37.8006

■ 15.3945, 7.5503,
31.6566

■ 42.4875, 52.9236,
38.9866

■ 14.7913, 6.9660,
31.5756

■ 46.9058, 60.9098,
40.2952

■ 14.7350, 6.9127,
31.5683

■ 51.7127, 69.6549,
41.7298

■ 56.9182, 79.1785,
43.2937

Harmonies

Analogous

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



20.8418, 19.7215, 40.6923



23.5249, 19.7215, 33.5771



24.9666, 19.7215, 24.2130

Triad

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



23.5249, 19.7215, 33.5771



19.6783, 19.7215, 9.0359



13.8943, 19.7215, 27.8051

Complementary

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



23.5249, 19.7215, 33.5771



22.0079, 28.4206, 19.0787

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.



13.6532, 19.7215, 18.9486



23.5249, 19.7215, 33.5771



16.7932, 19.7215, 9.5204

Square

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



23.5249, 19.7215, 33.5771



22.5964, 19.7215, 11.1334



14.6603, 19.7215, 12.6962



15.3576, 19.7215, 36.7953

Rectangle

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



23.5249, 19.7215, 33.5771



24.9353, 19.7215, 18.5653



14.6603, 19.7215, 12.6962



13.6742, 19.7215, 24.6703

Sweetspot

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



23.5255, 19.7223, 33.5775



50.9436, 50.2738, 62.5551



18.8556, 18.6984, 33.6260



11.3767, 11.1135, 14.1159



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.5255, 19.7223, 33.5775



39.6693, 31.2633, 59.4799



23.8833, 20.0370, 27.7113



6.3535, 6.2681, 7.8040



11.8638, 5.5671, 25.3570



0.2023, 0.0961, 0.3803

Inverse Universe

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



22.3643, 19.4294, 19.7122



37.3114, 30.6948, 30.1351



21.8064, 28.2198, 23.4503



6.2514, 6.2397, 6.7041



11.0322, 5.6671, 1.4284



0.1747, 0.0886, 0.0730

Previews

White Background



This preview shows how the XYZ color 23.5249, 19.7215, 33.5771 looks on a white background.

Color Contrast Check

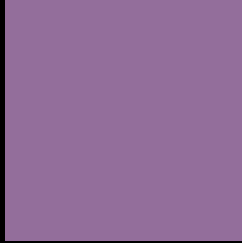
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5249, 19.7215, 33.5771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

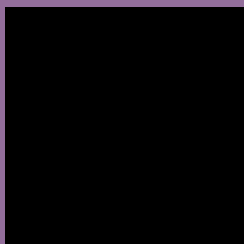
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5249, 19.7215, 33.5771

Background



This preview shows how black text looks on a background with the XYZ color 23.5249, 19.7215, 33.5771.



This preview shows how white text looks on a background with the XYZ color 23.5249, 19.7215,

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

23.5249, 19.7215, 33.5771

Protanopia

20.1259, 19.9429, 37.4389

Deuteranopia

20.3329, 19.9677, 32.9195



Tritanopia

21.2748, 19.8111, 22.1047

Trichromacy



Original Color

23.5249, 19.7215, 33.5771

Protanomaly

21.1358, 19.7800, 35.9617

Deuteranomaly

21.3999, 19.8015, 33.2660

Tritanomaly

21.9628, 19.7415, 25.9455

Monochromacy



Original Color

23.5249, 19.7215, 33.5771

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0633, 20.3074, 26.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5249, 19.7215, 33.5771 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(147, 110, 155)` looks like.

```
.text, #text, p{  
    color:rgb(147, 110, 155)  
}
```

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(147, 110, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 110, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.5249, 19.7215, 33.5771 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(147, 110, 155) }
```


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

```
.border{ border-color:rgb(147, 110, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 110, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 110, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 110, 155);  
box-shadow:4px 4px 4px 4px rgb(147, 110,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5249, 19.7215, 33.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 110, 155) }
```

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

```
.background{ background-color: rgb(147,  
110, 155) }
```

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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