

Converting Colors

XYZ(23.2770, 15.9778, 16.4621)

Have a look what the booklet for
XYZ(23.2770, 15.9778, 16.4621)
contains.

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Color

**XYZ(23.3082, 15.9554,
16.3192)**

Conversions

Conversions Part 1

Format	Color
Hex	AF506D
RGB	175, 80, 109
RGB Percent	69%, 31%, 43%
CMY	0.3137, 0.6863, 0.5725
CMYK	0.00, 0.54, 0.38, 0.31
HSL	342°, 37%, 50%
HSV	342°, 54%, 69%
XYZ	23.3082, 15.9554, 16.3192
YIQ	111.7110, 47.3110, 29.1590

Conversions

Conversions Part 2

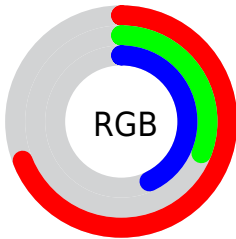
Format	Color
R_{YB}	175, 80, 109
Decimal	11489389
CIE _{Lab}	46.92, 41.77, 2.24
CIE _{LCh}	47, 41.834, 3.067
Yxy	15.9554, 0.4193, 0.2871
Android (android.graphics.Color)	4289679469 (0xFFAF506D)
YUV	111.7110, -1.3365, 55.5045
Hunter-Lab	39.9442, 34.2557, 3.7380

Details

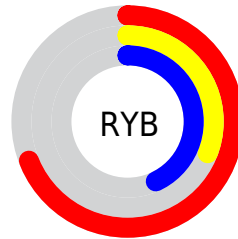
The XYZ color **23.3082, 15.9554, 16.3192** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.8274, 34.4412, 32.5882**, and the grayscale version is **15.3111, 16.1084, 17.5421**.

A 20% lighter version of the original color is **48.2007, 36.3642, 37.7362**, and **8.8692, 5.0536, 5.0654** is the 20% darker color. If you saturate the color by 10%, you get **21.5798, 13.4746, 12.7341**, and if you desaturate by 10%, it is **25.4617, 19.1414, 20.4930**.

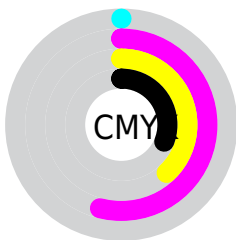
Distribution



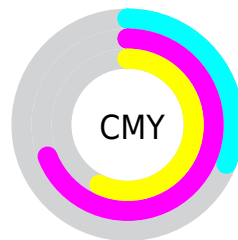
- Red (69%)
- Green (31%)
- Blue (43%)



- Red (69%)
- Yellow (31%)
- Blue (43%)



- Cyan (0%)
- Magenta (54%)
- Yellow (38%)
- Black (31%)





- Cyan (31%)
- Magenta (69%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3082, 15.9554, 16.3192 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 23.3082, 15.9554, 16.3192 by changing the saturation by 10% instead.

 23.3082, 15.9554,
16.3192


 23.3082, 15.9554,
16.3192

261.8099,
229.0784, 243.1276


 14.9432, 9.4926,
9.5935


 48.3618, 36.5208,
37.9259


 8.8656, 5.0639,
5.0282


 65.7812, 51.3921,
53.6441


 4.7100, 2.2848,
2.2048


 86.9493, 69.8351,
73.1968

 2.1111, 0.7656,
0.6771

 112.2317, 92.2341,
97.0026

 0.6953, 0.0000,
0.0000

 141.9936,
118.9736, 125.4800

 0.0000, 0.0000,
0.0000

176.6003,

150.4378, 159.0477

216.4173,
187.0113, 198.1240

■ 23.3082, 15.9554,
16.3192

■ 23.3082, 15.9554,
16.3192

■ 21.5798, 13.4746,
12.7341

■ 25.4617, 19.1414,
20.4930

■ 20.2450, 11.6420,
9.7086

■ 28.0662, 23.0789,
25.2809

■ 19.2698, 10.3960,
7.2121

■ 31.1468, 27.8130,
30.7077

■ 18.6132, 9.6613,
5.2097

■ 34.7266, 33.3845,
36.7966

■ 18.3314, 9.3749,
4.2618

■ 38.8269, 39.8314,
43.5695

■ 43.4678, 47.1896,
51.0472

■ 48.6685, 55.4926,
59.2498

■ 54.4471, 64.7726,
68.1964

■ 60.8209, 75.0598,
77.9055

Harmonies

Analogous

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



22.3221, 15.9554, 28.1594



23.3082, 15.9554, 16.3192



21.8396, 15.9554, 8.5517

Triad

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



23.3082, 15.9554, 16.3192



11.6491, 15.9554, 5.3861



12.2032, 15.9554, 42.1595

Complementary

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



23.3082, 15.9554, 16.3192



23.8274, 34.4412, 32.5882

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.



10.0113, 15.9554, 30.8091



23.3082, 15.9554, 16.3192



9.7292, 15.9554, 9.7665

Square

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



23.3082, 15.9554, 16.3192



14.7927, 15.9554, 4.0391



9.1811, 15.9554, 18.4706



15.5438, 15.9554, 46.1648

Rectangle

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



23.3082, 15.9554, 16.3192



19.7851, 15.9554, 5.7502



9.1811, 15.9554, 18.4706



11.3269, 15.9554, 38.9008

Sweetspot

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



23.3086, 15.9562, 16.3195



60.8424, 57.6777, 63.6305



22.2696, 14.8456, 42.2493



13.2282, 12.3598, 13.6444



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3086, 15.9562, 16.3195



38.1573, 23.4442, 21.7354



23.4411, 18.3207, 9.8912



8.1021, 8.0541, 8.8487



13.1523, 6.7234, 3.1812



0.3906, 0.1969, 0.2186

Inverse Universe

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



23.3086, 15.9562, 16.3195



38.1573, 23.4442, 21.7354



23.2027, 29.1131, 44.9540



8.1021, 8.0541, 8.8487



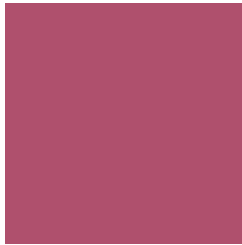
13.1523, 6.7234, 3.1812



0.3906, 0.1969, 0.2186

Previews

White Background



This preview shows how the XYZ color 23.3082, 15.9554, 16.3192 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 23.3082, 15.9554, 16.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

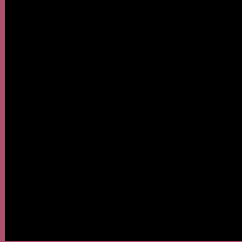
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3082, 15.9554, 16.3192

Background



This preview shows how black text looks on a background with the XYZ color 23.3082, 15.9554, 16.3192.



This preview shows how white text looks on a background with the XYZ color 23.3082, 15.9554,

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

23.3082, 15.9554, 16.3192

Protanopia

15.8219, 16.1524, 22.3625

Deuteranopia

16.3698, 16.1050, 15.6104



Tritanopia

22.2494, 15.9631, 11.5814

Trichromacy



Original Color

23.3082, 15.9554, 16.3192

Protanomaly

17.6202, 15.4570, 19.8241

Deuteranomaly

18.2969, 15.6156, 15.6854

Tritanomaly

22.7065, 16.0483, 13.2101

Monochromacy



Original Color

23.3082, 15.9554, 16.3192

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.4181, 15.4129, 17.0959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3082, 15.9554, 16.3192 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(175, 80, 109)` looks like.

```
.text, #text, p{  
    color:rgb(175, 80, 109)  
}
```

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(175, 80, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 80, 109) }
```

Border

The CSS property to change the border of an element to XYZ 23.3082, 15.9554, 16.3192 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(175, 80, 109) }
```


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

```
.border{ border-color:rgb(175, 80, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 80, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 80, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 80, 109);  
box-shadow:4px 4px 4px 4px rgb(175, 80,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3082, 15.9554, 16.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 80, 109) }
```

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

```
.background{ background-color: rgb(175, 80,  
109) }
```

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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