

Converting Colors

XYZ(23.3167, 19.2746, 28.2257)

Have a look what the booklet for
XYZ(23.3167, 19.2746, 28.2257)
contains.

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Color

**XYZ(23.2770, 19.2407,
28.0782)**

Conversions

Conversions Part 1

Format	Color
Hex	996B8E
RGB	153, 107, 142
RGB Percent	60%, 42%, 56%
CMY	0.4000, 0.5804, 0.4431
CMYK	0.00, 0.30, 0.07, 0.40
HSL	314°, 18%, 51%
HSV	314°, 30%, 60%
XYZ	23.2770, 19.2407, 28.0782
YIQ	124.7440, 16.1810, 20.6370

Conversions

Conversions Part 2

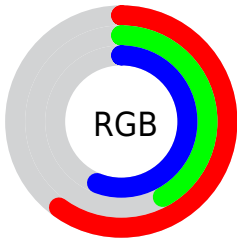
Format	Color
R _Y B	153, 107, 142
Decimal	10054542
CIE Lab	50.97, 24.17, -11.84
CIE LCh	51, 26.914, 333.902
Yxy	19.2407, 0.3297, 0.2725
Android (android.graphics.Color)	4288244622 (0xFF996B8E)
YUV	124.7440, 8.5072, 24.7805
Hunter-Lab	43.8642, 17.9605, -7.2475

Details

The XYZ color **23.2770, 19.2407, 28.0782** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.7254, 27.2167, 21.3017**, and the grayscale version is **19.3760, 20.3851, 22.1993**.

A 20% lighter version of the original color is **48.3744, 42.1917, 57.8188**, and **8.8626, 6.6673, 10.9450** is the 20% darker color. If you saturate the color by 10%, you get **21.5507, 16.2203, 26.1697**, and if you desaturate by 10%, it is **25.2957, 22.8309, 30.1291**.

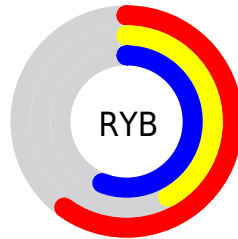
Distribution



Red (60%)

Green (42%)

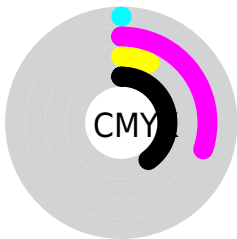
Blue (56%)



Red (60%)

Yellow (42%)

Blue (56%)

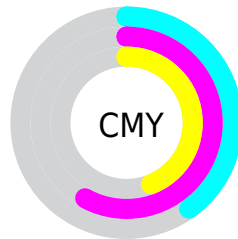


Cyan (0%)

Magenta (30%)

Yellow (7%)

Black (40%)



Cyan (40%)

Magenta (58%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2770, 19.2407, 28.0782 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 23.2770, 19.2407, 28.0782 by changing the saturation by 10% instead.

■ 23.2770, 19.2407,
28.0782

■ 23.2770, 19.2407,
28.0782

261.6534,
247.7744, 306.7641

■ 14.9200, 11.8443,
18.1451

■ 48.3111, 42.1404,
57.6339

■ 8.8492, 6.6378,
10.8837

■ 65.7189, 58.4126,
78.0935

■ 4.6993, 3.2366,
5.8755

■ 86.8743, 78.4121,
102.8990

■ 2.1048, 1.2565,
2.7019

■ 112.1427,
102.5234, 132.4690

■ 0.6918, 0.1071,
0.9444

141.8895,
131.1309, 167.2219

■ 0.0000, 0.0000,
0.0000

176.4799,

164.6190, 207.5764

216.2795,
203.3720, 253.9509

■ 23.2770, 19.2407,
28.0782

■ 23.2770, 19.2407,
28.0782

■ 21.5507, 16.2203,
26.1697

■ 25.2957, 22.8309,
30.1291

■ 20.1002, 13.7374,
24.3970

■ 27.6190, 27.0160,
32.3262

■ 18.9096, 11.7603,
22.7546

■ 30.2604, 31.8226,
34.6747

■ 17.9609, 10.2529,
21.2361

■ 33.2321, 37.2749,
37.1789

■ 17.2336, 9.1744,
19.8341

■ 36.5456, 43.3961,
39.8433

■ 16.7037, 8.4770,
18.5403

■ 40.2120, 50.2078,
42.6718

■ 16.3133, 8.0429,
17.3415

■ 44.2417, 57.7310,
45.6684

■ 48.6448, 65.9856,
48.8366

■ 53.4310, 74.9908,
52.1802

Harmonies

Analogous

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



21.2919, 19.2407, 35.6139



23.2770, 19.2407, 28.0782



23.8808, 19.2407, 19.9687

Triad

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



23.2770, 19.2407, 28.0782



17.9418, 19.2407, 9.4692



14.3620, 19.2407, 30.2298

Complementary

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



23.2770, 19.2407, 28.0782



20.7254, 27.2167, 21.3017

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.



13.6441, 19.2407, 21.9626



23.2770, 19.2407, 28.0782



15.5803, 19.2407, 10.9910

Square

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



23.2770, 19.2407, 28.0782



20.6316, 19.2407, 10.3552



14.0677, 19.2407, 15.1433



16.1284, 19.2407, 37.0527

Rectangle

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



23.2770, 19.2407, 28.0782



23.3745, 19.2407, 15.5570



14.0677, 19.2407, 15.1433



13.9983, 19.2407, 27.4639

Sweetspot

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



23.2776, 19.2416, 28.0786



49.8576, 49.0987, 58.2535



18.4434, 16.6492, 32.3787



10.8766, 10.6016, 12.7418



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.2776, 19.2416, 28.0786



39.5747, 30.7519, 47.9849



21.7410, 18.6269, 19.9873



6.3980, 6.2984, 7.4761



13.4960, 6.6526, 14.4030



0.2155, 0.1049, 0.2875

Inverse Universe

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



23.2776, 19.2416, 28.0786



39.5747, 30.7519, 47.9849



22.2432, 27.8238, 29.2941



6.3980, 6.2984, 7.4761



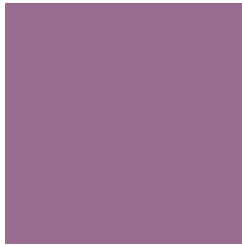
13.4960, 6.6526, 14.4030



0.2155, 0.1049, 0.2875

Previews

White Background



This preview shows how the XYZ color 23.2770, 19.2407, 28.0782 looks on a white background.

Color Contrast Check

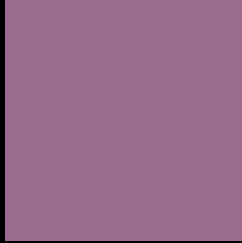
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2770, 19.2407, 28.0782 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 23.2770, 19.2407, 28.0782

Background



This preview shows how black text looks on a background with the XYZ color 23.2770, 19.2407, 28.0782.



This preview shows how white text looks on a background with the XYZ color 23.2770, 19.2407,

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

23.2770, 19.2407, 28.0782

Protanopia

19.2418, 19.2447, 31.9786

Deuteranopia

19.7879, 19.4471, 27.5217



Tritanopia

21.6523, 19.2090, 20.3358

Trichromacy



Original Color

23.2770, 19.2407, 28.0782

Protanomaly

20.3781, 18.9888, 30.6081

Deuteranomaly

20.9301, 19.3355, 27.8283

Tritanomaly

22.2347, 19.2897, 22.9735

Monochromacy



Original Color

23.2770, 19.2407, 28.0782

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.5668, 19.7465, 24.2002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2770, 19.2407, 28.0782 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(153, 107, 142)` looks like.

```
.text, #text, p{  
    color:rgb(153, 107, 142)  
}
```

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(153, 107, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 107, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.2770, 19.2407, 28.0782 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(153, 107, 142) }
```


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

```
.border{ border-color:rgb(153, 107, 142) }
```

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

Here you see how a box with a 4 pixel rgb(153, 107, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 107, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 107, 142);  
box-shadow:4px 4px 4px 4px rgb(153, 107,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2770, 19.2407, 28.0782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 107, 142) }
```

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

```
.background{ background-color: rgb(153,  
107, 142) }
```

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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