

Converting Colors

XYZ(19.6839, 16.7236, 27.1432)

Have a look what the booklet for
XYZ(19.6839, 16.7236, 27.1432)
contains.

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Color

**XYZ(19.7372, 16.8282,
27.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	88678C
RGB	136, 103, 140
RGB Percent	53%, 40%, 55%
CMY	0.4667, 0.5961, 0.4510
CMYK	0.03, 0.26, 0.00, 0.45
HSL	294°, 15%, 48%
HSV	294°, 26%, 55%
XYZ	19.7372, 16.8282, 27.0188
YIQ	117.0850, 7.7910, 18.5030

Conversions

Conversions Part 2

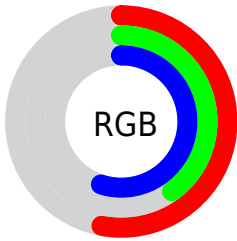
Format	Color
R_{YB}	136, 103, 140
Decimal	8939404
CIE _{Lab}	48.04, 20.04, -15.26
CIE _{LCh}	48, 25.189, 322.710
Yxy	16.8282, 0.3104, 0.2647
Android (android.graphics.Color)	4287129484 (0xFF88678C)
YUV	117.0850, 11.2971, 16.5885
Hunter-Lab	41.0222, 14.0937, -10.3352

Details

The XYZ color **19.7372, 16.8282, 27.0188** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.8903, 22.8616, 16.3026**, and the grayscale version is **16.8997, 17.7798, 19.3622**.

A 20% lighter version of the original color is **42.5284, 37.9534, 56.1232**, and **7.0494, 5.4490, 10.3531** is the 20% darker color. If you saturate the color by 10%, you get **18.2157, 14.1472, 26.5818**, and if you desaturate by 10%, it is **21.4964, 19.9788, 27.5345**.

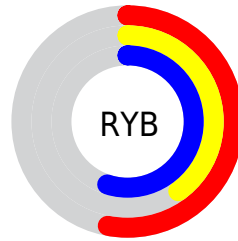
Distribution



Red (53%)

Green (40%)

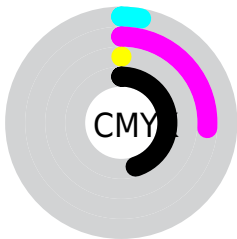
Blue (55%)



Red (53%)

Yellow (40%)

Blue (55%)

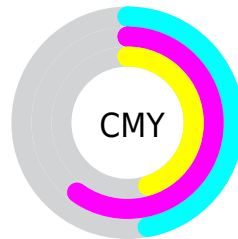


Cyan (3%)

Magenta (26%)

Yellow (0%)

Black (45%)



Cyan (47%)

Magenta (60%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7372, 16.8282, 27.0188 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 19.7372, 16.8282, 27.0188 by changing the saturation by 10% instead.

■ 19.7372, 16.8282,
27.0188

■ 19.7372, 16.8282,
27.0188

243.3496,
234.1804, 301.5112

■ 12.3113, 10.1121,
17.3548

■ 42.4835, 38.0302,
55.9181

■ 7.0298, 5.4733,
10.3231

■ 58.5345, 53.2848,
75.9905

■ 3.5272, 2.5276,
5.5053

■ 78.1914, 72.1544,
100.3695

■ 1.4383, 0.8904,
2.4828

■ 101.8193, 95.0233,
129.4735

■ 0.2833, 0.0000,
0.8310

129.7838,
122.2760, 163.7211

■ 0.0000, 0.0000,
0.0000

162.4501,

154.2968, 203.5309

200.1836,
191.4701, 249.3214

■ 19.7372, 16.8282,
27.0188

■ 19.7372, 16.8282,
27.0188

■ 18.2157, 14.1472,
26.5818

■ 21.4964, 19.9788,
27.5345

■ 16.9187, 11.9105,
26.2184

■ 23.5025, 23.6183,
28.1312

■ 15.8341, 10.0934,
25.9248

■ 25.7663, 27.7679,
28.8129

■ 14.9481, 8.6684,
25.6965

■ 28.2971, 32.4466,
29.5825

■ 14.2450, 7.6042,
25.5281

■ 31.1043, 37.6725,
30.4433

■ 13.7071, 6.8652,
25.4138

■ 34.1962, 43.4628,
31.3980

■ 13.3049, 6.3927,
25.3438

■ 37.5813, 49.8342,
32.4494

■ 13.1715, 6.2433,
25.3220

■ 41.2675, 56.8023,
33.6001

■ 45.2623, 64.3824,
34.8526

Harmonies

Analogous

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



17.7454, 16.8282, 32.4958



19.7372, 16.8282, 27.0188



20.7429, 16.8282, 19.9608

Triad

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



19.7372, 16.8282, 27.0188



16.5568, 16.8282, 8.4868



12.2860, 16.8282, 23.6031

Complementary

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



19.7372, 16.8282, 27.0188



17.8903, 22.8616, 16.3026

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.



12.0328, 16.8282, 16.7774



19.7372, 16.8282, 27.0188



14.3631, 16.8282, 9.0189

Square

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



19.7372, 16.8282, 27.0188



18.7968, 16.8282, 10.0477



12.7580, 16.8282, 11.7274



13.4859, 16.8282, 30.2197

Rectangle

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



19.7372, 16.8282, 27.0188



20.6575, 16.8282, 15.7003



12.7580, 16.8282, 11.7274



12.0923, 16.8282, 21.2228

Sweetspot

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



19.7377, 16.8289, 27.0192



40.7875, 40.4584, 49.4025



15.6186, 15.3594, 26.9526



9.2827, 9.1121, 11.3490



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.7377, 16.8289, 27.0192



33.0741, 26.6218, 47.1383



19.4201, 16.7783, 21.8922



5.1815, 5.1020, 6.3175



11.7133, 5.5526, 22.5001



0.0849, 0.0405, 0.1498

Inverse Universe

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



18.3199, 16.3382, 16.0988



30.1525, 25.6191, 24.2564



18.1939, 22.9288, 20.3537



5.0534, 5.0568, 5.3699



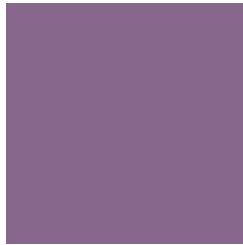
9.6914, 4.9867, 0.8792



0.0669, 0.0341, 0.0189

Previews

White Background



This preview shows how the XYZ color 19.7372, 16.8282, 27.0188 looks on a white background.

Color Contrast Check

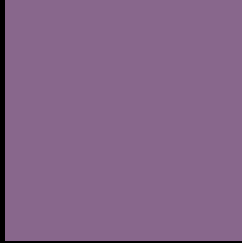
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7372, 16.8282, 27.0188 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 19.7372, 16.8282, 27.0188

Background



This preview shows how black text looks on a background with the XYZ color 19.7372, 16.8282, 27.0188.



This preview shows how white text looks on a background with the XYZ color 19.7372, 16.8282,

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

19.7372, 16.8282, 27.0188

Protanopia

16.9973, 16.9201, 29.9738

Deuteranopia

17.1917, 16.9340, 26.4073



Tritanopia

18.1878, 16.9726, 18.8404

Trichromacy



Original Color

19.7372, 16.8282, 27.0188

Protanomaly

17.7051, 16.6639, 28.6688

Deuteranomaly

18.0140, 16.8663, 26.7322

Tritanomaly

18.6872, 16.8571, 21.6709

Monochromacy



Original Color

19.7372, 16.8282, 27.0188

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8080, 17.3541, 21.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7372, 16.8282, 27.0188 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(136, 103, 140)` looks like.

```
.text, #text, p{  
    color:rgb(136, 103, 140)  
}
```

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(136, 103, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 103, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.7372, 16.8282, 27.0188 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(136, 103, 140) }
```


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

```
.border{ border-color:rgb(136, 103, 140) }
```

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

Here you see how a box with a 4 pixel rgb(136, 103, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 103, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 103, 140);  
box-shadow:4px 4px 4px 4px rgb(136, 103,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7372, 16.8282, 27.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 103, 140) }
```

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

```
.background{ background-color: rgb(136,  
103, 140) }
```

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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