

Converting Colors

XYZ(16.2487, 15.9255, 19.9391)

Have a look what the booklet for
XYZ(16.2487, 15.9255, 19.9391)
contains.

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Color

**XYZ(16.2239, 15.9327,
19.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	766C78
RGB	118, 108, 120
RGB Percent	46%, 42%, 47%
CMY	0.5373, 0.5765, 0.5294
CMYK	0.02, 0.10, 0.00, 0.53
HSL	290°, 5%, 45%
HSV	290°, 10%, 47%
XYZ	16.2239, 15.9327, 19.9895
YIQ	112.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

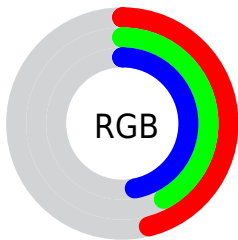
Format	Color
R_{YB}	118, 108, 120
Decimal	7761016
CIE Lab	46.89, 6.30, -5.25
CIE LCh	47, 8.196, 320.213
Yxy	15.9327, 0.3111, 0.3055
Android (android.graphics.Color)	4285951096 (0xFF766C78)
YUV	112.3580, 3.7675, 4.9480
Hunter-Lab	39.9158, 2.6993, -1.7509

Details

The XYZ color **16.2239, 15.9327, 19.9895** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8542, 17.8310, 16.7942**, and the grayscale version is **15.4955, 16.3024, 17.7534**.

A 20% lighter version of the original color is **36.4221, 36.3209, 44.1207**, and **5.3642, 5.1075, 6.8340** is the 20% darker color. If you saturate the color by 10%, you get **14.7758, 13.4353, 19.5840**, and if you desaturate by 10%, it is **17.8529, 18.7828, 20.4540**.

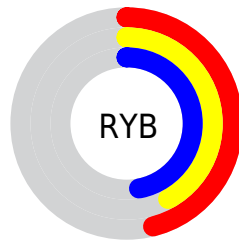
Distribution



Red (46%)

Green (42%)

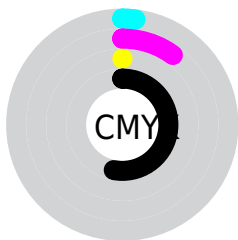
Blue (47%)



Red (46%)

Yellow (42%)

Blue (47%)

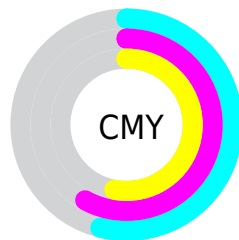


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2239, 15.9327, 19.9895 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 16.2239, 15.9327, 19.9895 by changing the saturation by 10% instead.

■ 16.2239, 15.9327,
19.9895

■ 16.2239, 15.9327,
19.9895

223.9038,
228.9443, 264.4606

■ 9.7746, 9.4765,
12.2034

■ 36.5408, 36.4813,
44.2583

■ 5.3109, 5.0533,
6.7581

■ 51.1391, 51.3426,
61.5781

■ 2.4674, 2.2786,
3.2352

■ 69.1844, 69.7743,
82.9129

■ 0.8789, 0.7623,
1.2159

■ 91.0421, 92.1610,
108.6812

■ 0.0000, 0.0000,
0.0000

117.0775,
118.8869, 139.3016

147.6560,

150.3365, 175.1926

183.1430,
186.8941, 216.7728

■ 16.2239, 15.9327,
19.9895

■ 16.2239, 15.9327,
19.9895

■ 14.7758, 13.4353,
19.5840

■ 17.8529, 18.7828,
20.4540

■ 13.5002, 11.2745,
19.2342

■ 19.6681, 21.9971,
20.9788

■ 12.3898, 9.4359,
18.9378

■ 21.6763, 25.5887,
21.5662

■ 11.4365, 7.9030,
18.6922

■ 23.8836, 29.5698,
22.2183

■ 10.6315, 6.6583,
18.4943

■ 26.2958, 33.9518,
22.9369

■ 9.9649, 5.6821,
18.3411

■ 28.9184, 38.7459,
23.7241

■ 9.4256, 4.9524,
18.2286

■ 31.7567, 43.9625,
24.5814

■ 9.0010, 4.4438,
18.1528

■ 34.8159, 49.6120,
25.5106

■ 8.6455, 4.0653,
18.0985

■ 38.1008, 55.7041,
26.5133

Harmonies

Analogous

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



15.6232, 15.9327, 21.3082



16.2239, 15.9327, 19.9895



16.5381, 15.9327, 18.0254

Triad

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



16.2239, 15.9327, 19.9895



15.3783, 15.9327, 13.7526



13.8906, 15.9327, 18.7432

Complementary

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



16.2239, 15.9327, 19.9895



15.8542, 17.8310, 16.7942

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.



13.8297, 15.9327, 16.6878



16.2239, 15.9327, 19.9895



14.6739, 15.9327, 13.9117

Square

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



16.2239, 15.9327, 19.9895



16.0398, 15.9327, 14.4970



14.1123, 15.9327, 14.9501



14.2813, 15.9327, 20.5503

Rectangle

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



16.2239, 15.9327, 19.9895



16.5362, 15.9327, 16.6597



14.1123, 15.9327, 14.9501



13.8314, 15.9327, 18.0550

Sweetspot

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



16.2244, 15.9334, 19.9898



30.4844, 31.4269, 35.7124



15.1727, 15.7400, 20.0079



7.1747, 7.3606, 8.4493



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.2244, 15.9334, 19.9898



27.9230, 26.9612, 34.9854



16.2728, 15.9845, 18.8121



4.0921, 4.0453, 5.0083



9.4216, 4.4297, 19.7437



44.3255, 20.8127, 94.1508

Inverse Universe

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



15.9233, 15.8447, 16.9717



27.2858, 26.7748, 28.5391



15.8148, 17.7869, 17.8712



4.0231, 4.0249, 4.3191



8.5839, 4.4097, 1.0999



40.7274, 20.9473, 4.0948

Previews

White Background



This preview shows how the XYZ color 16.2239, 15.9327, 19.9895 looks on a white background.

Color Contrast Check

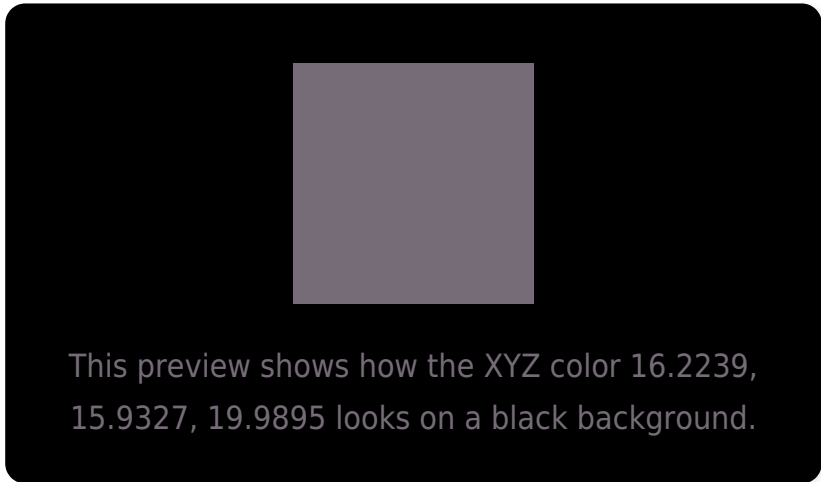
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

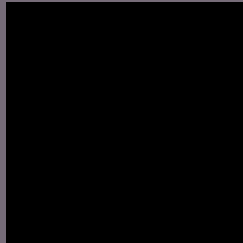
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2239, 15.9327, 19.9895

Background



This preview shows how black text looks on a background with the XYZ color 16.2239, 15.9327, 19.9895.



This preview shows how white text looks on a background with the XYZ color 16.2239, 15.9327,

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

16.2239, 15.9327, 19.9895

Protanopia

15.5192, 15.8720, 20.6580

Deuteranopia

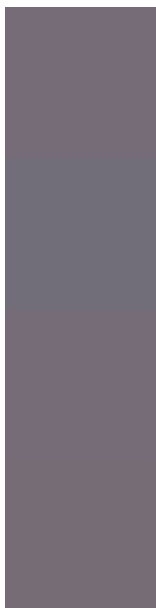
16.2239, 15.9327, 19.9895



Tritanopia

16.0447, 15.8610, 19.0455

Trichromacy



Original Color

16.2239, 15.9327, 19.9895

Protanomaly

15.7299, 15.8285, 20.3153

Deuteranomaly

16.2239, 15.9327, 19.9895

Tritanomaly

16.1038, 15.8847, 19.3568

Monochromacy



Original Color

16.2239, 15.9327, 19.9895

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7184, 16.1841, 18.5150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2239, 15.9327, 19.9895 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(118, 108, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 120)  
}
```

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(118, 108, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.2239, 15.9327, 19.9895 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(118, 108, 120) }
```


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

```
.border{ border-color:rgb(118, 108, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2239, 15.9327, 19.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 120) }
```

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

```
.background{ background-color: rgb(118,  
108, 120) }
```

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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