

Converting Colors

XYZ(16.5990, 19.3047, 23.1013)

Have a look what the booklet for
XYZ(16.5990, 19.3047, 23.1013)
contains.

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Color

**XYZ(16.6312, 19.3899,
23.2881)**

Conversions

Conversions Part 1

Format	Color
Hex	637F80
RGB	99, 127, 128
RGB Percent	39%, 50%, 50%
CMY	0.6118, 0.5020, 0.4980
CMYK	0.23, 0.01, 0.00, 0.50
HSL	182°, 13%, 45%
HSV	182°, 23%, 50%
XYZ	16.6312, 19.3899, 23.2881
YIQ	118.7420, -17.0090, -5.6250

Conversions

Conversions Part 2

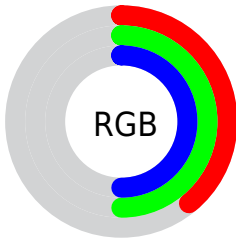
Format	Color
R_{YB}	99, 113, 128
Decimal	6520704
CIE _{Lab}	51.14, -9.74, -3.85
CIE _{LCh}	51, 10.469, 201.561
Yxy	19.3899, 0.2804, 0.3269
Android (android.graphics.Color)	4284710784 (0xFF637F80)
YUV	118.7420, 4.5642, -17.3137
Hunter-Lab	44.0340, -9.6417, -0.5327

Details

The XYZ color **16.6312, 19.3899, 23.2881** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7115, 14.6043, 13.7955**, and the grayscale version is **17.4434, 18.3518, 19.9851**.

A 20% lighter version of the original color is **37.2394, 42.4627, 49.9495**, and **5.5009, 6.7171, 8.4037** is the 20% darker color. If you saturate the color by 10%, you get **15.2856, 18.6124, 23.2093**, and if you desaturate by 10%, it is **18.1999, 20.2837, 23.3783**.

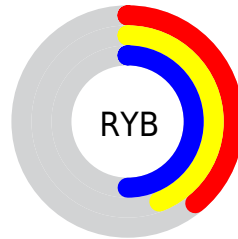
Distribution



Red (39%)

Green (50%)

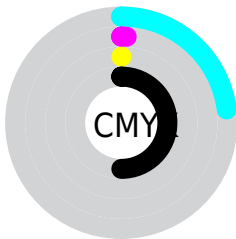
Blue (50%)



Red (39%)

Yellow (44%)

Blue (50%)

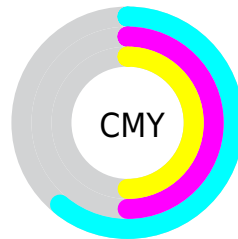


Cyan (23%)

Magenta (1%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6312, 19.3899, 23.2881 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 16.6312, 19.3899, 23.2881 by changing the saturation by 10% instead.

■ 16.6312, 19.3899,
23.2881

■ 16.6312, 19.3899,
23.2881

226.2359,
248.5929, 282.3710

■ 10.0656, 11.9523,
14.5991

■ 37.2392, 42.3919,
49.7951

■ 5.5051, 6.7112,
8.3950

■ 52.0124, 58.7252,
68.4502

■ 2.5843, 3.2822,
4.2574

■ 70.2520, 78.7924,
91.2644

■ 0.9380, 1.2808,
1.7676

■ 92.3236, 102.9781,
118.6563

■ 0.0000, 0.1262,
0.4064

118.5924,
131.6666, 151.0443

■ 0.0000, 0.0000,
0.0000

149.4238,

165.2423, 188.8471

185.1832,
204.0896, 232.4832

■ 16.6312, 19.3899,
23.2881

■ 16.6312, 19.3899,
23.2881

■ 15.2856, 18.6124,
23.2093

■ 18.1999, 20.2837,
23.3783

■ 14.1509, 17.9436,
23.1400

■ 19.9997, 21.2966,
23.4789

■ 13.2165, 17.3783,
23.0801

■ 22.0403, 22.4340,
23.5909

■ 12.4700, 16.9103,
23.0291

■ 24.3304, 23.7003,
23.7146

■ 11.8978, 16.5325,
22.9864

■ 26.8782, 25.0999,
23.8505

■ 11.4844, 16.2370,
22.9511

■ 29.6916, 26.6367,
23.9988

■ 11.2115, 16.0142,
22.9225

■ 32.7780, 28.3147,
24.1601

■ 11.0534, 15.8726,
22.9035

■ 36.1448, 30.1376,
24.3345

■ 39.7988, 32.1089,
24.5224

Harmonies

Analogous

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



16.5210, 19.3899, 20.2827



16.6312, 19.3899, 23.2881



17.2138, 19.3899, 25.9244

Triad

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



16.6312, 19.3899, 23.2881



20.0410, 19.3899, 24.8775



18.7246, 19.3899, 15.9378

Complementary

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



16.6312, 19.3899, 23.2881



15.7115, 14.6043, 13.7955

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.



19.7012, 19.3899, 16.9359



16.6312, 19.3899, 23.2881



20.4797, 19.3899, 21.9642

Square

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



16.6312, 19.3899, 23.2881



19.1744, 19.3899, 26.9005



20.3530, 19.3899, 19.0764



17.7042, 19.3899, 16.2204

Rectangle

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



16.6312, 19.3899, 23.2881



17.8041, 19.3899, 27.0261



20.3530, 19.3899, 19.0764



19.0694, 19.3899, 16.1310

Sweetspot

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



16.6318, 19.3907, 23.2885



33.7330, 36.6655, 41.2555



15.1637, 19.0107, 14.9186



7.8645, 8.5656, 9.6572



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6318, 19.3907, 23.2885



28.0579, 33.4348, 40.9310



14.8953, 15.9178, 22.7097



4.4342, 4.8623, 5.5181



10.9603, 15.7391, 22.7102



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.1951, 15.0455, 22.0774



29.2304, 24.4421, 38.3985



17.2246, 17.6305, 14.2998



4.4920, 4.4099, 5.3952



12.4092, 5.9834, 19.2765



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6312, 19.3899, 23.2881 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 16.6312, 19.3899, 23.2881 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

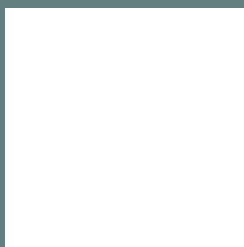
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6312, 19.3899, 23.2881

Background



This preview shows how black text looks on a background with the XYZ color 16.6312, 19.3899, 23.2881.



This preview shows how white text looks on a background with the XYZ color 16.6312, 19.3899,

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

16.6312, 19.3899, 23.2881

Protanopia

18.6438, 19.3409, 21.8193

Deuteranopia

19.5610, 19.2357, 23.8010



Tritanopia

17.2716, 19.4660, 26.1396

Trichromacy



Original Color

16.6312, 19.3899, 23.2881

Protanomaly

17.7241, 19.2240, 22.1785

Deuteranomaly

18.2710, 19.1113, 23.4947

Tritanomaly

16.9500, 19.3245, 25.0269

Monochromacy



Original Color

16.6312, 19.3899, 23.2881

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1545, 18.7690, 21.1310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6312, 19.3899, 23.2881 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(99, 127, 128) looks like.

```
.text, #text, p{  
    color:rgb(99, 127, 128)  
}
```

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(99, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 127, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.6312, 19.3899, 23.2881 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(99, 127, 128) }
```


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

```
.border{ border-color:rgb(99, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 127,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6312, 19.3899, 23.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 127, 128) }
```

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

```
.background{ background-color: rgb(99, 127,  
128) }
```

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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