

Converting Colors

XYZ(15.9777, 18.2833, 22.0213)

Have a look what the booklet for
XYZ(15.9777, 18.2833, 22.0213)
contains.

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Color

**XYZ(16.0402, 18.3559,
22.0997)**

Conversions

Conversions Part 1

Format	Color
Hex	647B7D
RGB	100, 123, 125
RGB Percent	39%, 48%, 49%
CMY	0.6078, 0.5176, 0.5098
CMYK	0.20, 0.02, 0.00, 0.51
HSL	185°, 11%, 44%
HSV	185°, 20%, 49%
XYZ	16.0402, 18.3559, 22.0997
YIQ	116.3510, -14.3500, -4.2540

Conversions

Conversions Part 2

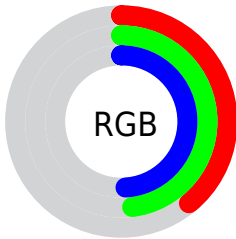
Format	Color
RYB	100, 112, 125
Decimal	6585213
CIELab	49.92, -7.85, -3.87
CIELCh	50, 8.754, 206.255
Yxy	18.3559, 0.2839, 0.3249
Android (android.graphics.Color)	4284775293 (0xFF647B7D)
YUV	116.3510, 4.2640, -14.3398
Hunter-Lab	42.8438, -8.1484, -0.5923

Details

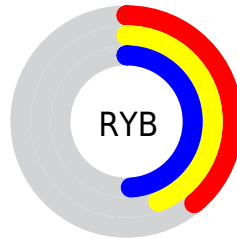
The XYZ color **16.0402, 18.3559, 22.0997** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5093, 14.7830, 14.0930**, and the grayscale version is **16.6991, 17.5688, 19.1324**.

A 20% lighter version of the original color is **36.1284, 40.4536, 48.0236**, and **5.2215, 6.1762, 7.7544** is the 20% darker color. If you saturate the color by 10%, you get **14.6392, 17.4510, 21.9992**, and if you desaturate by 10%, it is **17.6558, 19.3742, 22.2114**.

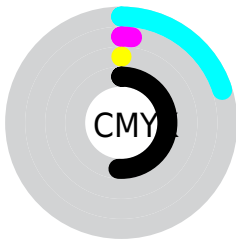
Distribution



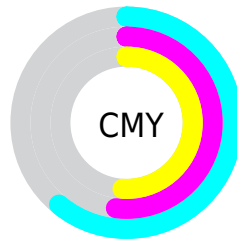
- Red (39%)
- Green (48%)
- Blue (49%)



- Red (39%)
- Yellow (44%)
- Blue (49%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (61%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0402, 18.3559, 22.0997 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 16.0402, 18.3559, 22.0997 by changing the saturation by 10% instead.

■ 16.0402, 18.3559,
22.0997

■ 16.0402, 18.3559,
22.0997

222.8445,
242.8695, 276.0370

■ 9.6436, 11.2058,
13.7312

■ 36.2249, 40.6428,
47.8150

■ 5.2238, 6.2054,
7.7973

■ 50.7437, 56.5485,
65.9989

■ 2.4152, 2.9704,
3.8796

■ 68.7006, 76.1414,
88.2916

■ 0.8527, 1.1163,
1.5595

■ 90.4610, 99.8061,
115.1117

■ 0.0000, 0.0000,
0.2617

116.3902,
127.9268, 146.8778

■ 0.0000, 0.0000,
0.0000

146.8537,

160.8880, 184.0083

182.2167,
199.0741, 226.9219

■ 16.0402, 18.3559,
22.0997

■ 16.0402, 18.3559,
22.0997

■ 14.6392, 17.4510,
21.9992

■ 17.6558, 19.3742,
22.2114

■ 13.4414, 16.6523,
21.9081

■ 19.4932, 20.5083,
22.3335

■ 12.4370, 15.9552,
21.8265

■ 21.5617, 21.7634,
22.4667

■ 11.6147, 15.3537,
21.7538

■ 23.8692, 23.1436,
22.6115

■ 10.9619, 14.8416,
21.6893

■ 26.4233, 24.6529,
22.7682

■ 10.4647, 14.4115,
21.6325

■ 29.2315, 26.2950,
22.9371

■ 10.1067, 14.0550,
21.5826

■ 32.3007, 28.0736,
23.1187

■ 9.8334, 13.7440,
21.5369

■ 35.6377, 29.9922,
23.3131

■ 9.8334, 13.7440,
21.5369

■ 39.2490, 32.0541,
23.5208

Harmonies

Analogous

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



15.8867, 18.3559, 19.6863



16.0402, 18.3559, 22.0997



16.5663, 18.3559, 24.0776

Triad

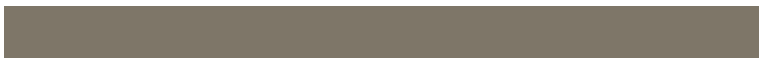
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0402, 18.3559, 22.0997



18.8222, 18.3559, 22.6631



17.5523, 18.3559, 15.7234

Complementary

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



16.0402, 18.3559, 22.0997



15.5093, 14.7830, 14.0930

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.



18.3579, 18.3559, 16.3872



16.0402, 18.3559, 22.0997



19.1057, 18.3559, 20.2896

Square

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



16.0402, 18.3559, 22.0997



18.1698, 18.3559, 24.4207



18.9332, 18.3559, 18.0124



16.7431, 18.3559, 16.1244

Rectangle

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



16.0402, 18.3559, 22.0997



17.0664, 18.3559, 24.8162



18.9332, 18.3559, 18.0124



17.8327, 18.3559, 15.8279

Sweetspot

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



16.0407, 18.3567, 22.1001



32.8368, 35.4515, 39.8565



14.9713, 18.3297, 15.2332



7.4325, 8.0412, 9.0634



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.0407, 18.3567, 22.1001



27.5283, 32.1045, 39.4902



14.6239, 15.5230, 21.6278



4.4180, 4.8299, 5.5127



10.2606, 14.3397, 22.4770



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5902, 14.9049, 20.7422



28.7081, 24.7715, 36.5575



16.7942, 17.3528, 14.5213



4.4838, 4.4067, 5.3522



12.0560, 5.8421, 17.4167



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0402, 18.3559, 22.0997 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 16.0402, 18.3559, 22.0997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

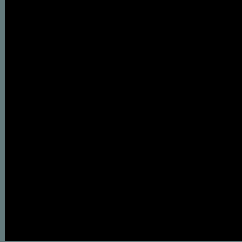
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0402, 18.3559, 22.0997

Background



This preview shows how black text looks on a background with the XYZ color 16.0402, 18.3559, 22.0997.



This preview shows how white text looks on a background with the XYZ color 16.0402, 18.3559,

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

16.0402, 18.3559, 22.0997

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

18.5657, 18.2294, 22.6188



Tritanopia

16.4912, 18.3517, 24.5028

Trichromacy



Original Color

16.0402, 18.3559, 22.0997

Protanomaly

17.1017, 18.3737, 21.3840

Deuteranomaly

17.5804, 18.2451, 22.3337

Tritanomaly

16.2888, 18.2707, 23.4370

Monochromacy



Original Color

16.0402, 18.3559, 22.0997

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3570, 17.8406, 20.0342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0402, 18.3559, 22.0997 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(100, 123, 125)` looks like.

```
.text, #text, p{  
    color:rgb(100, 123, 125)  
}
```

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(100, 123, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 123, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.0402, 18.3559, 22.0997 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(100, 123, 125) }
```


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

```
.border{ border-color:rgb(100, 123, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 123, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 123, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 123, 125);  
box-shadow:4px 4px 4px 4px rgb(100, 123,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0402, 18.3559, 22.0997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 123, 125) }
```

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

```
.background{ background-color: rgb(100,  
123, 125) }
```

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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