

Converting Colors

XYZ(16.8928, 19.0343, 23.0336)

Have a look what the booklet for
XYZ(16.8928, 19.0343, 23.0336)
contains.

XYZ(16.9296, 18.9771, 23.1927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9296, 18.9771,
23.1927)**

Conversions

Conversions Part 1

Format	Color
Hex	697C80
RGB	105, 124, 128
RGB Percent	41%, 49%, 50%
CMY	0.5882, 0.5137, 0.4980
CMYK	0.18, 0.03, 0.00, 0.50
HSL	190°, 10%, 46%
HSV	190°, 18%, 50%
XYZ	16.9296, 18.9771, 23.1927
YIQ	118.7750, -12.6080, -2.7840

Conversions

Conversions Part 2

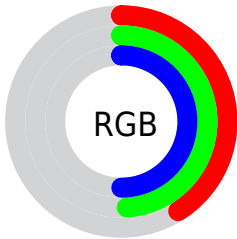
Format	Color
RYB	105, 115, 128
Decimal	6913152
CIELab	50.66, -6.01, -4.51
CIElCh	51, 7.511, 216.912
Yxy	18.9771, 0.2865, 0.3211
Android (android.graphics.Color)	4285103232 (0xFF697C80)
YUV	118.7750, 4.5479, -12.0807
Hunter-Lab	43.5627, -6.8650, -1.0720

Details

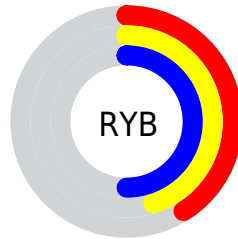
The XYZ color **16.9296, 18.9771, 23.1927** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9206, 16.5462, 15.6668**, and the grayscale version is **17.4529, 18.3618, 19.9960**.

A 20% lighter version of the original color is **37.9673, 41.9486, 49.8119**, and **5.6147, 6.4665, 8.3494** is the 20% darker color. If you saturate the color by 10%, you get **15.2624, 17.7088, 23.0361**, and if you desaturate by 10%, it is **18.8306, 20.3762, 23.3629**.

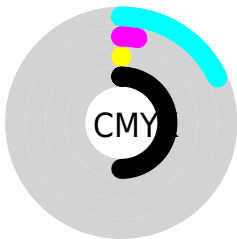
Distribution



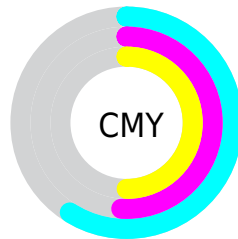
- Red (41%)
- Green (49%)
- Blue (50%)



- Red (41%)
- Yellow (45%)
- Blue (50%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (50%)



- Cyan (59%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9296, 18.9771, 23.1927 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 16.9296, 18.9771, 23.1927 by changing the saturation by 10% instead.

■ 16.9296, 18.9771,
23.1927

■ 16.9296, 18.9771,
23.1927

227.9305,
246.3223, 281.8671

■ 10.2793, 11.6537,
14.5292

■ 37.7493, 41.6954,
49.6367

■ 5.6482, 6.5084,
8.3467

■ 52.6493, 57.8591,
68.2544

■ 2.6710, 3.1566,
4.2267

■ 71.0300, 77.7384,
91.0272

■ 0.9823, 1.2140,
1.7505

■ 93.2567, 101.7177,
118.3737

■ 0.0000, 0.0731,
0.3950

119.6948,
130.1813, 150.7123

■ 0.0000, 0.0000,
0.0000

150.7095,

163.5137, 188.4618

186.6663,
202.0992, 232.0405

■ 16.9296, 18.9771,
23.1927

■ 16.9296, 18.9771,
23.1927

■ 15.2624, 17.7088,
23.0361

■ 18.8306, 20.3762,
23.3629

■ 13.8171, 16.5637,
22.8912

■ 20.9731, 21.9088,
23.5458

■ 12.5834, 15.5370,
22.7581

■ 23.3667, 23.5802,
23.7422

■ 11.5495, 14.6223,
22.6360

■ 26.0198, 25.3949,
23.9527

■ 10.7024, 13.8131,
22.5245

■ 28.9406, 27.3572,
24.1775

■ 10.0274, 13.1016,
22.4227

■ 32.1367, 29.4711,
24.4171

■ 9.5078, 12.4792,
22.3300

■ 35.6156, 31.7405,
24.6717

■ 9.1039, 11.9254,
22.2443

■ 39.3844, 34.1690,
24.9418

■ 9.0248, 11.8155,
22.2273

■ 43.4500, 36.7604,
25.2277

Harmonies

Analogous

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



16.6690, 18.9771, 21.1542



16.9296, 18.9771, 23.1927



17.4881, 18.9771, 24.6181

Triad

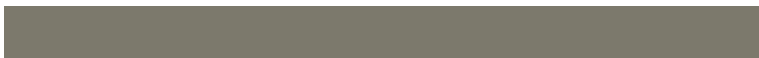
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9296, 18.9771, 23.1927



19.3700, 18.9771, 22.2926



17.8675, 18.9771, 16.8963

Complementary

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



16.9296, 18.9771, 23.1927



16.9206, 16.5462, 15.6668

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.



18.5976, 18.9771, 17.1557



16.9296, 18.9771, 23.1927



19.4782, 18.9771, 20.1791

Square

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



16.9296, 18.9771, 23.1927



18.9001, 18.9771, 24.0743



19.1920, 18.9771, 18.3240



17.2009, 18.9771, 17.5899

Rectangle

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



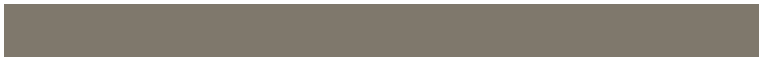
16.9296, 18.9771, 23.1927



17.9611, 18.9771, 24.9779



19.1920, 18.9771, 18.3240



18.1135, 18.9771, 16.8757

Sweetspot

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



16.9302, 18.9779, 23.1931



34.1860, 36.6205, 41.2229



16.2965, 19.5424, 17.3344



7.9531, 8.5373, 9.6470



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.



16.9302, 18.9779, 23.1931



28.4257, 32.3716, 40.7064



15.5902, 16.2980, 22.7465



4.3849, 4.7637, 5.5017



8.9495, 11.7175, 22.0400



0.0000, 0.0000, 0.0000

Inverse Universe

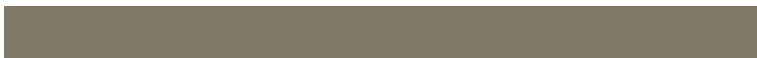
The Inverse Universe completely reimagines the original color for something new.



17.5921, 16.1479, 21.2594



29.8552, 26.3732, 36.5055



18.2088, 19.1227, 16.0962



4.4671, 4.4000, 5.2642



11.3943, 5.5774, 13.9318



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9296, 18.9771, 23.1927 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 16.9296, 18.9771, 23.1927 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

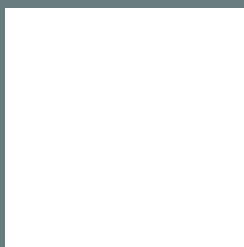
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9296, 18.9771, 23.1927

Background



This preview shows how black text looks on a background with the XYZ color 16.9296, 18.9771, 23.1927.



This preview shows how white text looks on a background with the XYZ color 16.9296, 18.9771,

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

16.9296, 18.9771, 23.1927

Protanopia

18.3033, 18.9786, 22.1006

Deuteranopia

19.2258, 18.8968, 23.4030



Tritanopia

17.2605, 18.9235, 24.9332

Trichromacy



Original Color

16.9296, 18.9771, 23.1927

Protanomaly

17.6735, 18.8259, 22.4409

Deuteranomaly

18.4246, 19.0110, 23.4673

Tritanomaly

17.1236, 18.8688, 24.2123

Monochromacy



Original Color

16.9296, 18.9771, 23.1927

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.2897, 18.6573, 21.1023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9296, 18.9771, 23.1927 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(105, 124, 128)` looks like.

```
.text, #text, p{  
    color:rgb(105, 124, 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(105, 124, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 124, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.9296, 18.9771, 23.1927 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(105, 124, 128) }
```


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

```
.border{ border-color:rgb(105, 124, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 124, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 124, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 124, 128);  
box-shadow:4px 4px 4px 4px rgb(105, 124,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9296, 18.9771, 23.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 124, 128) }
```

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

```
.background{ background-color: rgb(105,  
124, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor