

Converting Colors

XYZ(16.1499, 18.4067, 22.9516)

Have a look what the booklet for
XYZ(16.1499, 18.4067, 22.9516)
contains.

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Color

**XYZ(16.1248, 18.3771,
23.1193)**

Conversions

Conversions Part 1

Format	Color
Hex	637B80
RGB	99, 123, 128
RGB Percent	39%, 48%, 50%
CMY	0.6118, 0.5176, 0.4980
CMYK	0.23, 0.04, 0.00, 0.50
HSL	190°, 13%, 45%
HSV	190°, 23%, 50%
XYZ	16.1248, 18.3771, 23.1193
YIQ	116.3940, -15.9090, -3.5330

Conversions

Conversions Part 2

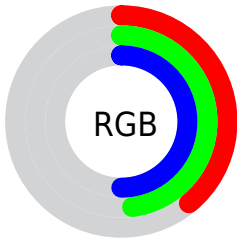
Format	Color
R_{YB}	99, 112, 128
Decimal	6519680
CIE _{Lab}	49.95, -7.48, -5.61
CIE _{LCh}	50, 9.346, 216.883
Yxy	18.3771, 0.2798, 0.3189
Android (android.graphics.Color)	4284709760 (0xFF637B80)
YUV	116.3940, 5.7218, -15.2545
Hunter-Lab	42.8685, -7.8779, -1.9676

Details

The XYZ color **16.1248, 18.3771, 23.1193** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1046, 15.3906, 13.9265**, and the grayscale version is **16.7083, 17.5784, 19.1429**.

A 20% lighter version of the original color is **36.2481, 40.4802, 49.6190**, and **5.2253, 6.1659, 8.3119** is the 20% darker color. If you saturate the color by 10%, you get **14.5653, 17.1719, 22.9692**, and if you desaturate by 10%, it is **17.9132, 19.7104, 23.2827**.

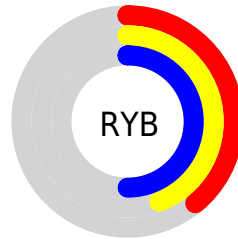
Distribution



Red (39%)

Green (48%)

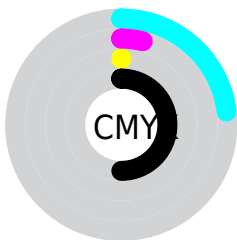
Blue (50%)



Red (39%)

Yellow (44%)

Blue (50%)

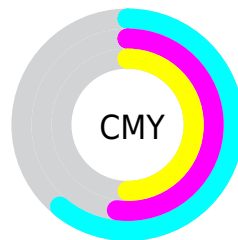


Cyan (23%)

Magenta (4%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (52%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1248, 18.3771, 23.1193 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 16.1248, 18.3771, 23.1193 by changing the saturation by 10% instead.

■ 16.1248, 18.3771,
23.1193

■ 16.1248, 18.3771,
23.1193

223.3330,
242.9881, 281.4789

■ 9.7039, 11.2211,
14.4755

■ 36.3704, 40.6789,
49.5148

■ 5.2638, 6.2157,
8.3096

■ 50.9259, 56.5934,
68.1036

■ 2.4392, 2.9767,
4.2031

■ 68.9236, 76.1961,
90.8445

■ 0.8647, 1.1196,
1.7374

■ 90.7288, 99.8716,
118.1560

■ 0.0000, 0.0000,
0.3862

116.7071,
128.0041, 150.4566

■ 0.0000, 0.0000,
0.0000

147.2236,

160.9781, 188.1650

182.6438,
199.1780, 231.6995

■ 16.1248, 18.3771,
23.1193

■ 16.1248, 18.3771,
23.1193

■ 14.5653, 17.1719,
22.9692

■ 17.9132, 19.7104,
23.2827

■ 13.2227, 16.0871,
22.8306

■ 19.9387, 21.1747,
23.4586

■ 12.0861, 15.1177,
22.7033

■ 22.2111, 22.7755,
23.6478

■ 11.1434, 14.2570,
22.5869

■ 24.7389, 24.5173,
23.8508

■ 10.3806, 13.4982,
22.4806

■ 27.5305, 26.4045,
24.0679

■ 9.7824, 12.8329,
22.3838

■ 30.5938, 28.4412,
24.2996

■ 9.3303, 12.2518,
22.2954

■ 33.9364, 30.6314,
24.5461

■ 9.0442, 11.8543,
22.2338

■ 37.5654, 32.9788,
24.8080

■ 41.4878, 35.4871,
25.0854

Harmonies

Analogous

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



15.8117, 18.3771, 20.6067



16.1248, 18.3771, 23.1193



16.7992, 18.3771, 24.8990

Triad

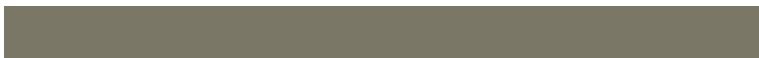
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.1248, 18.3771, 23.1193



19.0997, 18.3771, 22.0098



17.2612, 18.3771, 15.5000

Complementary

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



16.1248, 18.3771, 23.1193



16.1046, 15.3906, 13.9265

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.



18.1520, 18.3771, 15.8061



16.1248, 18.3771, 23.1193



19.2337, 18.3771, 19.4240

Square

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



16.1248, 18.3771, 23.1193



18.5214, 18.3771, 24.2212



18.8814, 18.3771, 17.1919



16.4532, 18.3771, 16.3168

Rectangle

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



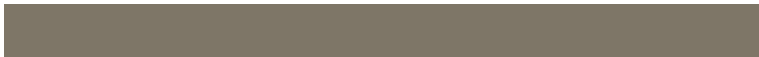
16.1248, 18.3771, 23.1193



17.3734, 18.3771, 25.3516



18.8814, 18.3771, 17.1919



17.5607, 18.3771, 15.4762

Sweetspot

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



16.1253, 18.3778, 23.1197



33.4454, 36.0902, 41.1596



15.3553, 19.0874, 15.9276



7.7930, 8.4226, 9.6333



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.



16.1253, 18.3778, 23.1197



26.9780, 31.2752, 40.5711



14.4753, 15.0777, 22.5697



4.3854, 4.7648, 5.5018



8.9688, 11.7560, 22.0464



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.9395, 14.9433, 20.7313



28.6853, 24.2240, 35.5283



17.6722, 18.5258, 14.4491



4.4674, 4.4001, 5.2655



11.4040, 5.5813, 13.9830



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1248, 18.3771, 23.1193 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 16.1248, 18.3771, 23.1193 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

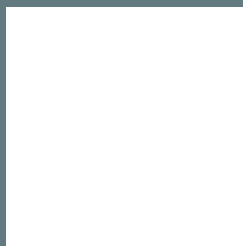
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1248, 18.3771, 23.1193

Background



This preview shows how black text looks on a background with the XYZ color 16.1248, 18.3771, 23.1193.



This preview shows how white text looks on a background with the XYZ color 16.1248, 18.3771,

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

16.1248, 18.3771, 23.1193

Protanopia

17.7879, 18.3595, 22.0082

Deuteranopia

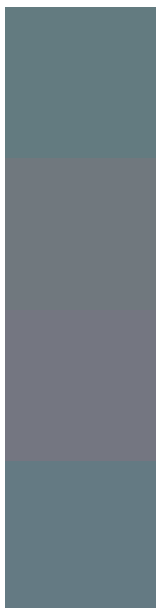
18.6174, 18.2331, 23.6572



Tritanopia

16.3799, 18.2943, 24.4976

Trichromacy



Original Color

16.1248, 18.3771, 23.1193

Protanomaly

17.1645, 18.3840, 22.3825

Deuteranomaly

17.6433, 18.2548, 23.3625

Tritanomaly

16.3118, 18.2671, 24.1389

Monochromacy



Original Color

16.1248, 18.3771, 23.1193

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4174, 17.8647, 20.3522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1248, 18.3771, 23.1193 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, 123, 128) looks like.

```
.text, #text, p{  
    color:rgb(99, 123, 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, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 123, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.1248, 18.3771, 23.1193 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, 123, 128) }
```


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

```
.border{ border-color:rgb(99, 123, 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, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 123,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1248, 18.3771, 23.1193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 123, 128) }
```

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

```
.background{ background-color: rgb(99, 123,  
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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