

Converting Colors

XYZ(16.1392, 18.3463, 21.3047)

Have a look what the booklet for
XYZ(16.1392, 18.3463, 21.3047)
contains.

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Color

**XYZ(16.2516, 18.4795,
21.4492)**

Conversions

Conversions Part 1

Format	Color
Hex	677B7B
RGB	103, 123, 123
RGB Percent	40%, 48%, 48%
CMY	0.5961, 0.5176, 0.5176
CMYK	0.16, 0.00, 0.00, 0.52
HSL	180°, 9%, 44%
HSV	180°, 16%, 48%
XYZ	16.2516, 18.4795, 21.4492
YIQ	117.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

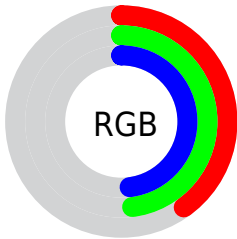
Format	Color
R_{YB}	103, 113, 123
Decimal	6781819
CIE Lab	50.07, -7.28, -2.45
CIE LCh	50, 7.681, 198.626
Yxy	18.4795, 0.2893, 0.3289
Android (android.graphics.Color)	4284971899 (0xFF677B7B)
YUV	117.0200, 2.9481, -12.2955
Hunter-Lab	42.9878, -7.7464, 0.5081

Details

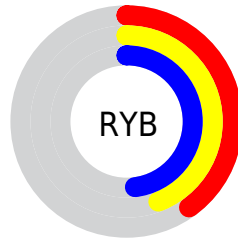
The XYZ color **16.2516, 18.4795, 21.4492** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4674, 14.8912, 14.8918**, and the grayscale version is **16.9089, 17.7895, 19.3727**.

A 20% lighter version of the original color is **36.3943, 40.6251, 46.4807**, and **5.3157, 6.2327, 7.4014** is the 20% darker color. If you saturate the color by 10%, you get **14.9434, 17.8056, 21.3880**, and if you desaturate by 10%, it is **17.7685, 19.2620, 21.5209**.

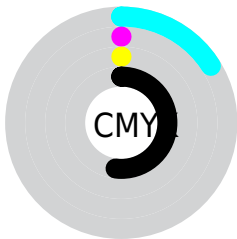
Distribution



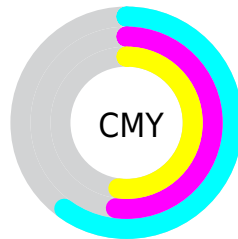
- Red (40%)
- Green (48%)
- Blue (48%)



- Red (40%)
- Yellow (44%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2516, 18.4795, 21.4492 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 16.2516, 18.4795, 21.4492 by changing the saturation by 10% instead.

■ 16.2516, 18.4795,
21.4492

■ 16.2516, 18.4795,
21.4492

224.0631,
243.5600, 272.5152

■ 9.7943, 11.2948,
13.2583

■ 36.5884, 40.8527,
46.7244

■ 5.3240, 6.2655,
7.4738

■ 51.1986, 56.8100,
64.6458

■ 2.4753, 3.0072,
3.6773

■ 69.2572, 76.4602,
86.6478

■ 0.8828, 1.1355,
1.4500

■ 91.1295, 100.1879,
113.1488

■ 0.0000, 0.0080,
0.1803

117.1809,
128.3773, 144.5676

■ 0.0000, 0.0000,
0.0000

147.7767,

161.4128, 181.3226

183.2824,
199.6790, 223.8323

■ 16.2516, 18.4795,
21.4492

■ 16.2516, 18.4795,
21.4492

■ 14.9434, 17.8056,
21.3880

■ 17.7685, 19.2620,
21.5209

■ 13.8332, 17.2333,
21.3357

■ 19.5009, 20.1551,
21.6024

■ 12.9118, 16.7583,
21.2922

■ 21.4574, 21.1636,
21.6943

■ 12.1688, 16.3753,
21.2571

■ 23.6455, 22.2917,
21.7970

■ 11.5927, 16.0783,
21.2298

■ 26.0726, 23.5428,
21.9110

■ 11.1704, 15.8606,
21.2097

■ 28.7454, 24.9208,
22.0364

■ 10.8874, 15.7147,
21.1961

■ 31.6708, 26.4288,
22.1737

■ 10.7155, 15.6261,
21.1877

■ 34.8550, 28.0703,
22.3230

■ 10.6579, 15.5964,
21.1848

■ 38.3042, 29.8484,
22.4848

Harmonies

Analogous

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



16.2075, 18.4795, 19.3290



16.2516, 18.4795, 21.4492



16.6415, 18.4795, 23.3325

Triad

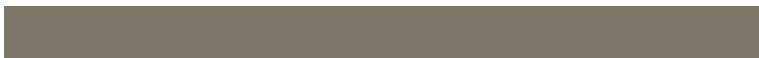
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.2516, 18.4795, 21.4492



18.6524, 18.4795, 22.9329



17.8460, 18.4795, 16.3888

Complementary

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



16.2516, 18.4795, 21.4492



15.4674, 14.8912, 14.8918

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.



18.5204, 18.4795, 17.2187



16.2516, 18.4795, 21.4492



18.9946, 18.4795, 20.9344

Square

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



16.2516, 18.4795, 21.4492



18.0220, 18.4795, 24.2297



18.9457, 18.4795, 18.8489



17.1142, 18.4795, 16.5053

Rectangle

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



16.2516, 18.4795, 21.4492



17.0513, 18.4795, 24.1542



18.9457, 18.4795, 18.8489



18.0873, 18.4795, 16.5638

Sweetspot

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



16.2521, 18.4803, 21.4496



32.1507, 34.6636, 38.5525



15.1635, 18.0492, 15.5169



7.5317, 8.1430, 9.0778



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.



16.2521, 18.4803, 21.4496



28.0662, 32.5580, 38.3604



15.1116, 16.1990, 21.0700



4.1071, 4.5124, 5.0976



11.0251, 16.1337, 21.9146



52.5905, 76.9592, 104.5341

Inverse Universe

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



15.4674, 14.8912, 14.8918



26.3455, 24.6874, 23.9796



16.4852, 16.9269, 15.2306



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3958



40.3082, 20.7796, 1.8870

Previews

White Background



This preview shows how the XYZ color 16.2516, 18.4795, 21.4492 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 16.2516, 18.4795, 21.4492 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

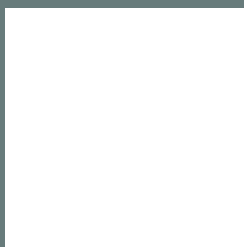
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2516, 18.4795, 21.4492

Background



This preview shows how black text looks on a background with the XYZ color 16.2516, 18.4795, 21.4492.



This preview shows how white text looks on a background with the XYZ color 16.2516, 18.4795,

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

16.2516, 18.4795, 21.4492

Protanopia

17.7538, 18.3779, 20.3809

Deuteranopia

18.7345, 18.3313, 21.9529



Tritanopia

16.8820, 18.5610, 24.1656

Trichromacy



Original Color

16.2516, 18.4795, 21.4492

Protanomaly

17.1071, 18.3908, 20.7373

Deuteranomaly

17.7243, 18.3340, 21.6734

Tritanomaly

16.5647, 18.4206, 23.1046

Monochromacy



Original Color

16.2516, 18.4795, 21.4492

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6087, 17.9703, 20.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2516, 18.4795, 21.4492 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(103, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 123)  
}
```

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(103, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.2516, 18.4795, 21.4492 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(103, 123, 123) }
```


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

```
.border{ border-color:rgb(103, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2516, 18.4795, 21.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 123) }
```

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

```
.background{ background-color: rgb(103,  
123, 123) }
```

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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