

Converting Colors

XYZ(16.2514, 16.6881, 18.6074)

Have a look what the booklet for
XYZ(16.2514, 16.6881, 18.6074)
contains.

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Color

**XYZ(16.2248, 16.6081,
18.5702)**

Conversions

Conversions Part 1

Format	Color
Hex	757073
RGB	117, 112, 115
RGB Percent	46%, 44%, 45%
CMY	0.5412, 0.5608, 0.5490
CMYK	0.00, 0.04, 0.02, 0.54
HSL	324°, 2%, 45%
HSV	324°, 4%, 46%
XYZ	16.2248, 16.6081, 18.5702
YIQ	113.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

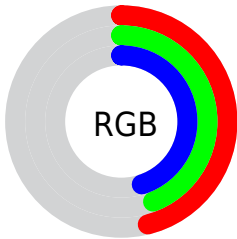
Format	Color
RYB	117, 112, 115
Decimal	7696499
CIELab	47.76, 2.53, -0.98
CIELCh	48, 2.709, 338.841
Yxy	16.6081, 0.3156, 0.3231
Android (android.graphics.Color)	4285886579 (0xFF757073)
YUV	113.8370, 0.5734, 2.7740
Hunter-Lab	40.7530, -0.2525, 1.5101

Details

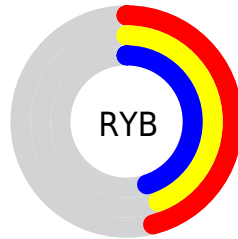
The XYZ color **16.2248, 16.6081, 18.5702** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0813, 17.3826, 18.4281**, and the grayscale version is **15.9437, 16.7740, 18.2669**.

A 20% lighter version of the original color is **36.6127, 37.7760, 41.9210**, and **5.3008, 5.3372, 6.0610** is the 20% darker color. If you saturate the color by 10%, you get **14.7544, 14.0873, 16.7845**, and if you desaturate by 10%, it is **17.8776, 19.4714, 20.4846**.

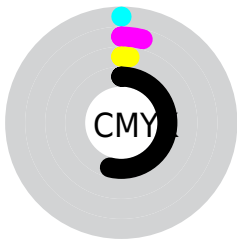
Distribution



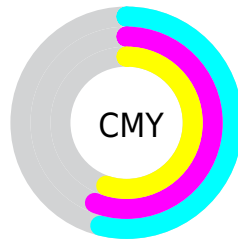
- Red (46%)
- Green (44%)
- Blue (45%)



- Red (46%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2248, 16.6081, 18.5702 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 16.2248, 16.6081, 18.5702 by changing the saturation by 10% instead.

■ 16.2248, 16.6081,
18.5702

■ 16.2248, 16.6081,
18.5702

223.9090,
232.9037, 256.4088

■ 9.7752, 9.9555,
11.1865

■ 36.5423, 37.6507,
41.8335

■ 5.3113, 5.3694,
6.0767

■ 51.1410, 52.8095,
58.5502

■ 2.4677, 2.4656,
2.8222

■ 69.1867, 71.5725,
79.2150

■ 0.8790, 0.8593,
1.0046

■ 91.0449, 94.3240,
104.2464

■ 0.0000, 0.0000,
0.0000

117.0809,
121.4485, 134.0629

147.6600,

153.3304, 169.0831

183.1475,
190.3540, 209.7256

■ 16.2248, 16.6081,
18.5702

■ 16.2248, 16.6081,
18.5702

■ 14.7544, 14.0873,
16.7845

■ 17.8776, 19.4714,
20.4846

■ 13.4583, 11.8939,
15.1234

■ 19.7177, 22.6871,
22.5297

■ 12.3301, 10.0148,
13.5836

■ 21.7515, 26.2678,
24.7088

■ 11.3621, 8.4355,
12.1618

■ 23.9847, 30.2243,
27.0248

■ 10.5463, 7.1398,
10.8541

■ 26.4227, 34.5674,
29.4803

■ 9.8738, 6.1106,
9.6565

■ 29.0708, 39.3072,
32.0780

■ 9.3347, 5.3284,
8.5646

■ 31.9339, 44.4536,
34.8205

■ 8.9180, 4.7713,
7.5736

■ 35.0171, 50.0159,
37.7103

■ 8.6070, 4.4067,
6.6767

■ 38.3250, 56.0034,
40.7497

Harmonies

Analogous

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



16.0800, 16.6081, 19.1447



16.2248, 16.6081, 18.5702



16.2512, 16.6081, 17.8787

Triad

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



16.2248, 16.6081, 18.5702



15.7139, 16.6081, 16.7944



15.4247, 16.6081, 18.9348

Complementary

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



16.2248, 16.6081, 18.5702



16.0813, 17.3826, 18.4281

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.



15.3288, 16.6081, 18.2896



16.2248, 16.6081, 18.5702



15.4946, 16.6081, 17.0621

Square

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



16.2248, 16.6081, 18.5702



15.9546, 16.6081, 16.8652



15.3542, 16.6081, 17.6052



15.6176, 16.6081, 19.3589

Rectangle

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



16.2248, 16.6081, 18.5702



16.1979, 16.6081, 17.4462



15.3542, 16.6081, 17.6052



15.3802, 16.6081, 18.7359

Sweetspot

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



16.2253, 16.6088, 18.5706



29.9786, 31.3368, 34.3411



15.9452, 16.4510, 19.1647



6.8979, 7.2140, 7.9018



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



16.2253, 16.6088, 18.5706



28.8159, 29.3303, 32.9709



16.0834, 16.5521, 17.8237



3.8999, 3.9618, 4.4618



9.2994, 4.6535, 6.7848



44.8855, 22.5043, 30.7903

Inverse Universe

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



16.2253, 16.6088, 18.5706



28.8159, 29.3303, 32.9709



16.2255, 17.4403, 19.1873



3.8999, 3.9618, 4.4618



9.2994, 4.6535, 6.7848



44.8855, 22.5043, 30.7903

Previews

White Background



This preview shows how the XYZ color 16.2248, 16.6081, 18.5702 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 16.2248, 16.6081, 18.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

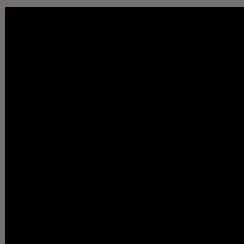
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

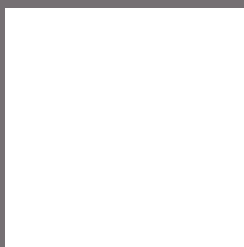
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2248, 16.6081, 18.5702

Background



This preview shows how black text looks on a background with the XYZ color 16.2248, 16.6081, 18.5702.



This preview shows how white text looks on a background with the XYZ color 16.2248, 16.6081,

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

16.2248, 16.6081, 18.5702

Protanopia

16.0699, 16.6929, 18.5947

Deuteranopia

16.8388, 16.6006, 18.5364



Tritanopia

16.5458, 16.5765, 20.0968

Trichromacy

**Original Color**

16.2248, 16.6081, 18.5702

Protanomaly

16.2021, 16.7611, 18.6009

Deuteranomaly

16.6641, 16.6716, 18.5593

Tritanomaly

16.4257, 16.5284, 19.4641

Monochromacy

**Original Color**

16.2248, 16.6081, 18.5702

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0126, 16.6700, 18.2933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2248, 16.6081, 18.5702 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(117, 112, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 115)  
}
```

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(117, 112, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.2248, 16.6081, 18.5702 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(117, 112, 115) }
```


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

```
.border{ border-color:rgb(117, 112, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2248, 16.6081, 18.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 115) }
```

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

```
.background{ background-color: rgb(117,  
112, 115) }
```

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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