

Converting Colors

XYZ(16.9987, 18.4187, 19.0178)

Have a look what the booklet for
XYZ(16.9987, 18.4187, 19.0178)
contains.

XYZ(16.8812, 18.3156, 18.8652)	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(16.8812, 18.3156,
18.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	737873
RGB	115, 120, 115
RGB Percent	45%, 47%, 45%
CMY	0.5490, 0.5294, 0.5490
CMYK	0.04, 0.00, 0.04, 0.53
HSL	120°, 2%, 46%
HSV	120°, 4%, 47%
XYZ	16.8812, 18.3156, 18.8652
YIQ	117.9350, -1.3750, -2.6150

Conversions

Conversions Part 2

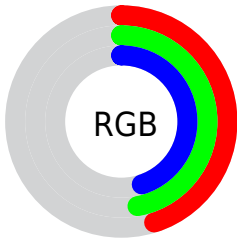
Format	Color
R_{YB}	115, 120, 120
Decimal	7567475
CIE Lab	49.88, -2.90, 2.08
CIE LCh	50, 3.568, 144.269
Yxy	18.3156, 0.3123, 0.3388
Android (android.graphics.Color)	4285757555 (0xFF737873)
YUV	117.9350, -1.4470, -2.5740
Hunter-Lab	42.7967, -4.4848, 3.8221

Details

The XYZ color **16.8812, 18.3156, 18.8652** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2673, 17.6110, 20.2593**, and the grayscale version is **17.2047, 18.1007, 19.7116**.

A 20% lighter version of the original color is **37.6639, 40.5106, 42.3934**, and **5.6452, 6.2333, 6.2158** is the 20% darker color. If you saturate the color by 10%, you get **14.7587, 17.2966, 15.3931**, and if you desaturate by 10%, it is **19.3002, 19.4781, 22.8212**.

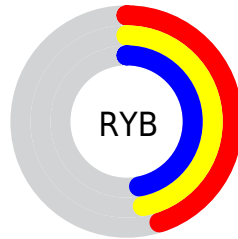
Distribution



Red (45%)

Green (47%)

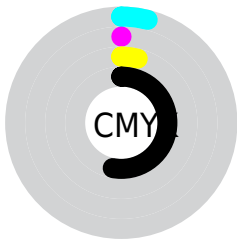
Blue (45%)



Red (45%)

Yellow (47%)

Blue (47%)

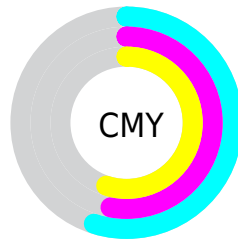


Cyan (4%)

Magenta (0%)

Yellow (4%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8812, 18.3156, 18.8652 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 16.8812, 18.3156, 18.8652 by changing the saturation by 10% instead.

■ 16.8812, 18.3156,
18.8652

■ 16.8812, 18.3156,
18.8652

227.6565,
242.6440, 258.1015

■ 10.2446, 11.1768,
11.3971

■ 37.6666, 40.5744,
42.3399

■ 5.6249, 6.1859,
6.2171

■ 52.5462, 56.4631,
59.1835

■ 2.6569, 2.9584,
2.9066

■ 70.9041, 76.0374,
79.9894

■ 0.9750, 1.1101,
1.0471

■ 93.1057, 99.6814,
105.1760

■ 0.0000, 0.0000,
0.0000

119.5164,
127.7797, 135.1620

150.5015,

160.7166, 170.3659

186.4264,
198.8766, 211.2062

■ 16.8812, 18.3156,
18.8652

■ 16.8812, 18.3156,
18.8652

■ 14.7587, 17.2966,
15.3931

■ 19.3002, 19.4781,
22.8212

■ 12.9196, 16.4132,
12.3852

■ 22.0247, 20.7868,
27.2774

■ 11.3527, 15.6605,
9.8221

■ 25.0654, 22.2475,
32.2508

■ 10.0448, 15.0322,
7.6829

■ 28.4322, 23.8647,
37.7573

■ 8.9820, 14.5218,
5.9445

■ 32.1341, 25.6429,
43.8122

■ 8.1492, 14.1217,
4.5822

■ 36.1803, 27.5865,
50.4298

■ 7.5293, 13.8239,
3.5682

■ 40.5791, 29.6995,
57.6244

■ 7.1030, 13.6191,
2.8708

■ 45.3390, 31.9859,
65.4094

■ 6.8428, 13.4942,
2.4452

■ 50.4679, 34.4496,
73.7980

Harmonies

Analogous

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



17.1401, 18.3156, 18.2781



16.8812, 18.3156, 18.8652



16.7637, 18.3156, 19.7555

Triad

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



16.8812, 18.3156, 18.8652



17.3430, 18.3156, 21.8714



18.0135, 18.3156, 19.1801

Complementary

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



16.8812, 18.3156, 18.8652



17.2673, 17.6110, 20.2593

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.



18.0695, 18.3156, 20.1308



16.8812, 18.3156, 18.8652



17.6795, 18.3156, 21.7052

Square

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



16.8812, 18.3156, 18.8652



17.0281, 18.3156, 21.5072



17.9465, 18.3156, 21.0602



17.7944, 18.3156, 18.4557

Rectangle

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



16.8812, 18.3156, 18.8652



16.7802, 18.3156, 20.4093



17.9465, 18.3156, 21.0602



18.0521, 18.3156, 19.4830

Sweetspot

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



16.8817, 18.3164, 18.8656



30.9708, 32.8286, 35.2737



17.5575, 18.6648, 18.8971



7.3473, 7.7837, 8.3718



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8817, 18.3164, 18.8656



29.3121, 32.0318, 32.5608



17.0276, 18.3748, 19.6340



4.1488, 4.5450, 4.5990



7.3273, 14.6546, 2.4427



34.9520, 69.9038, 11.6512

Inverse Universe

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



17.2673, 17.6110, 20.2593



30.1403, 30.5167, 35.5545



17.1174, 17.5511, 19.4702



4.2739, 4.3163, 5.0510



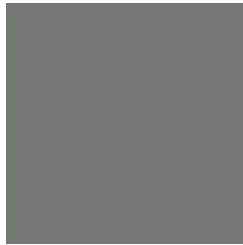
12.1480, 5.8353, 19.8680



57.9469, 27.8351, 94.7713

Previews

White Background



This preview shows how the XYZ color 16.8812, 18.3156, 18.8652 looks on a white background.

Color Contrast Check

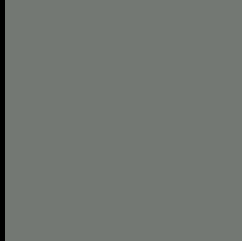
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8812, 18.3156, 18.8652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

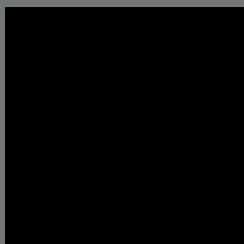
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

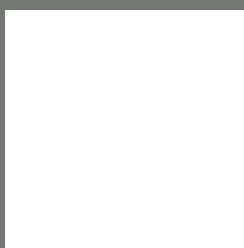
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8812, 18.3156, 18.8652

Background



This preview shows how black text looks on a background with the XYZ color 16.8812, 18.3156, 18.8652.



This preview shows how white text looks on a background with the XYZ color 16.8812, 18.3156,

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

16.8812, 18.3156, 18.8652

Protanopia

17.5417, 18.3093, 18.5291

Deuteranopia

18.6432, 18.3477, 19.0819



Tritanopia

17.6453, 18.2711, 22.6753

Trichromacy



Original Color

16.8812, 18.3156, 18.8652

Protanomaly

17.2418, 18.3305, 18.5490

Deuteranomaly

17.9711, 18.3435, 19.1165

Tritanomaly

17.3744, 18.3367, 21.3625

Monochromacy



Original Color

16.8812, 18.3156, 18.8652

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1438, 18.2599, 19.4506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8812, 18.3156, 18.8652 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(115, 120, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 120, 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(115, 120, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 120, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.8812, 18.3156, 18.8652 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(115, 120, 115) }
```


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

```
.border{ border-color:rgb(115, 120, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 120, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 120, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 120, 115);  
box-shadow:4px 4px 4px 4px rgb(115, 120,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8812, 18.3156, 18.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 120, 115) }
```

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

```
.background{ background-color: rgb(115,  
120, 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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