

Converting Colors

XYZ(16.2650, 18.0168, 16.7700)

Have a look what the booklet for
XYZ(16.2650, 18.0168, 16.7700)
contains.

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Color

**XYZ(16.2333, 18.0264,
16.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	71786C
RGB	113, 120, 108
RGB Percent	44%, 47%, 42%
CMY	0.5569, 0.5294, 0.5765
CMYK	0.06, 0.00, 0.10, 0.53
HSL	95°, 5%, 45%
HSV	95°, 10%, 47%
XYZ	16.2333, 18.0264, 16.8112
YIQ	116.5390, -0.3200, -5.2160

Conversions

Conversions Part 2

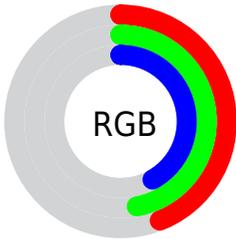
Format	Color
R_{YB}	108, 120, 115
Decimal	7436396
CIE Lab	49.53, -5.04, 5.69
CIE LCh	50, 7.595, 131.535
Yxy	18.0264, 0.3179, 0.3530
Android (android.graphics.Color)	4285626476 (0xFF71786C)
YUV	116.5390, -4.2097, -3.1037
Hunter-Lab	42.4575, -6.0525, 6.2442

Details

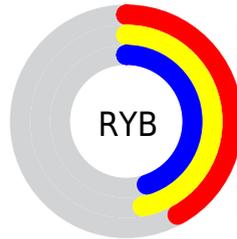
The XYZ color **16.2333, 18.0264, 16.8112** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8237, 15.7265, 19.9718**, and the grayscale version is **16.7792, 17.6530, 19.2241**.

A 20% lighter version of the original color is **36.5276, 40.0076, 38.5979**, and **5.3396, 6.0955, 5.3100** is the 20% darker color. If you saturate the color by 10%, you get **14.7719, 17.3424, 13.6353**, and if you desaturate by 10%, it is **17.8531, 18.7830, 20.4542**.

Distribution



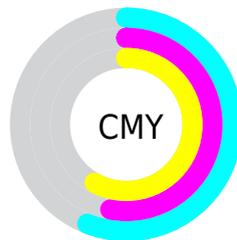
- Red (44%)
- Green (47%)
- Blue (42%)



- Red (42%)
- Yellow (47%)
- Blue (45%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2333, 18.0264, 16.8112 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 16.2333, 18.0264, 16.8112 by changing the saturation by 10% instead.

■ 16.2333, 18.0264,
16.8112

■ 16.2333, 18.0264,
16.8112

223.9579,
241.0198, 246.0890

■ 9.7813, 10.9689,
9.9394

■ 36.5569, 40.0823,
38.7871

■ 5.3153, 6.0460,
5.2537

■ 51.1593, 55.8495,
54.7283

■ 2.4701, 2.8730,
2.3356

■ 69.2091, 75.2888,
74.5297

■ 0.8802, 1.0658,
0.7510

■ 91.0717, 98.7846,
98.6099

■ 0.0000, 0.0000,
0.0000

117.1126,
126.7211, 127.3873

147.6970,

159.4829, 161.2807

183.1903,
197.4544, 200.7084

■ 16.2333, 18.0264,
16.8112

■ 16.2333, 18.0264,
16.8112

■ 14.7719, 17.3424,
13.6353

■ 17.8531, 18.7830,
20.4542

■ 13.4624, 16.7263,
10.9065

■ 19.6347, 19.6120,
24.5810

■ 12.2998, 16.1767,
8.6050

■ 21.5834, 20.5161,
29.2087

■ 11.2783, 15.6910,
6.7092

■ 23.7034, 21.4974,
34.3536

■ 10.3917, 15.2665,
5.1953

■ 25.9992, 22.5576,
40.0308

■ 9.6332, 14.9003,
4.0373

■ 28.4748, 23.6986,
46.2550

■ 8.9954, 14.5893,
3.2060

■ 31.1342, 24.9222,
53.0405

■ 8.4699, 14.3298,
2.6673

■ 33.9812, 26.2299,
60.4008

■ 8.0317, 14.1115,
2.3005

■ 37.0197, 27.6235,
68.3490

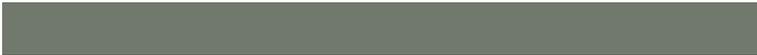
Harmonies

Analogous

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



16.8586, 18.0264, 15.9990



16.2333, 18.0264, 16.8112



15.8557, 18.0264, 18.4005

Triad

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



16.2333, 18.0264, 16.8112



16.6995, 18.0264, 23.6269



18.5238, 18.0264, 18.8467

Complementary

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



16.2333, 18.0264, 16.8112



15.8237, 15.7265, 19.9718

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.



18.4783, 18.0264, 20.9083



16.2333, 18.0264, 16.8112



17.4114, 18.0264, 23.7673

Square

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



16.2333, 18.0264, 16.8112



16.1196, 18.0264, 22.3712



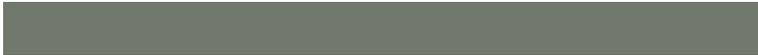
18.0665, 18.0264, 22.7424



18.1891, 18.0264, 17.1182

Rectangle

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



16.2333, 18.0264, 16.8112



15.7887, 18.0264, 19.7339



18.0665, 18.0264, 22.7424



18.5527, 18.0264, 19.5218

Sweetspot

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



16.2338, 18.0272, 16.8116



30.4939, 32.6123, 33.9162



16.5840, 17.3380, 16.6601



7.1774, 7.7058, 7.9262



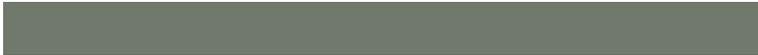
59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



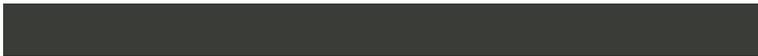
16.2338, 18.0272, 16.8116



27.9373, 31.4178, 28.2151



15.6617, 17.7261, 17.0643



4.0944, 4.5240, 4.2819



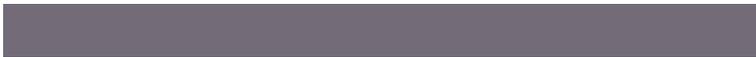
8.7460, 15.3859, 2.5088



40.7964, 72.9167, 11.9241

Inverse Universe

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



15.8237, 15.7265, 19.9718



27.0639, 26.5183, 34.9452



16.4388, 16.0506, 19.6854



4.0007, 3.9982, 5.0041



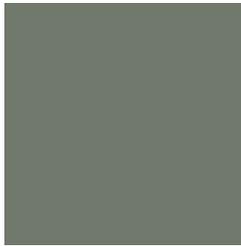
6.4387, 2.8920, 19.6042



29.7268, 13.2868, 93.4676

Previews

White Background



This preview shows how the XYZ color 16.2333, 18.0264, 16.8112 looks on a white background.

Color Contrast Check

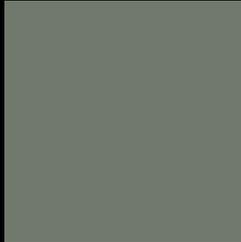
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2333, 18.0264, 16.8112 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

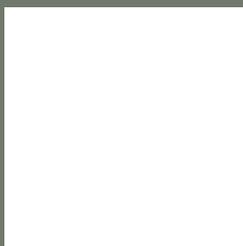
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2333, 18.0264, 16.8112

Background



This preview shows how black text looks on a background with the XYZ color 16.2333, 18.0264, 16.8112.



This preview shows how white text looks on a background with the XYZ color 16.2333, 18.0264,

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

16.2333, 18.0264, 16.8112

Protanopia

17.0412, 17.9217, 16.4710

Deuteranopia

18.2934, 18.0443, 16.9867



Tritanopia

17.3945, 17.9679, 22.6300

Trichromacy



Original Color

16.2333, 18.0264, 16.8112

Protanomaly

16.7400, 17.9403, 16.4905

Deuteranomaly

17.4632, 17.9549, 17.0132

Tritanomaly

16.9388, 17.9578, 20.3427

Monochromacy



Original Color

16.2333, 18.0264, 16.8112

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7182, 17.8848, 18.4906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2333, 18.0264, 16.8112 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(113, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 108)  
}
```

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(113, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.2333, 18.0264, 16.8112 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(113, 120, 108) }
```

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

```
.border{ border-color:rgb(113, 120, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 108);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2333, 18.0264, 16.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 108) }
```

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

```
.background{ background-color: rgb(113,  
120, 108) }
```

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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