

Converting Colors

XYZ(18.7416, 18.2629, 15.5961)

Have a look what the booklet for
XYZ(18.7416, 18.2629, 15.5961)
contains.

XYZ(18.8325, 18.3525, 15.6465)	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(18.8325, 18.3525,
15.6465)**

Conversions

Conversions Part 1

Format	Color
Hex	897268
RGB	137, 114, 104
RGB Percent	54%, 45%, 41%
CMY	0.4627, 0.5529, 0.5922
CMYK	0.00, 0.17, 0.24, 0.46
HSL	18°, 14%, 47%
HSV	18°, 24%, 54%
XYZ	18.8325, 18.3525, 15.6465
YIQ	119.7370, 16.9180, 1.7660

Conversions

Conversions Part 2

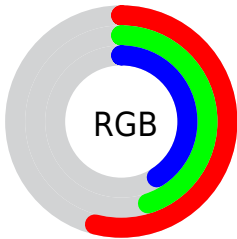
Format	Color
R_{YB}	137, 118, 104
Decimal	9007720
CIE Lab	49.92, 7.35, 8.90
CIE LCh	50, 11.543, 50.448
Yxy	18.3525, 0.3565, 0.3474
Android (android.graphics.Color)	4287197800 (0xFF897268)
YUV	119.7370, -7.7583, 15.1397
Hunter-Lab	42.8398, 3.4994, 8.3332

Details

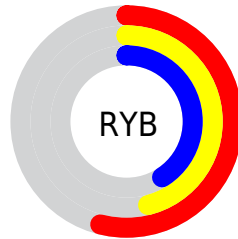
The XYZ color **18.8325, 18.3525, 15.6465** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8134, 19.9272, 26.5743**, and the grayscale version is **17.7892, 18.7157, 20.3814**.

A 20% lighter version of the original color is **41.0385, 40.7154, 36.7062**, and **6.6172, 6.2181, 4.7223** is the 20% darker color. If you saturate the color by 10%, you get **17.1712, 16.0545, 11.9340**, and if you desaturate by 10%, it is **20.7203, 20.9223, 19.9928**.

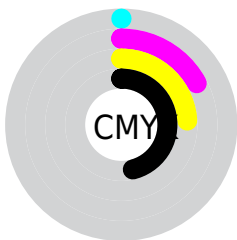
Distribution



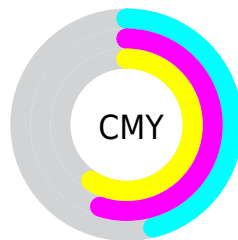
- Red (54%)
- Green (45%)
- Blue (41%)



- Red (54%)
- Yellow (46%)
- Blue (41%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (46%)



- Cyan (46%)
- Magenta (55%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8325, 18.3525, 15.6465 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 18.8325, 18.3525, 15.6465 by changing the saturation by 10% instead.

■ 18.8325, 18.3525,
15.6465

■ 18.8325, 18.3525,
15.6465

238.4784,
242.8505, 239.0207

■ 11.6526, 11.2034,
9.1227

■ 40.9699, 40.6371,
36.7416

■ 6.5781, 6.2038,
4.7234

■ 56.6582, 56.5413,
52.1500

■ 3.2436, 2.9694,
2.0300

■ 75.9132, 76.1326,
71.3571

■ 1.2839, 1.1158,
0.5736

■ 99.1005, 99.7955,
94.7813

■ 0.1711, 0.0000,
0.0000

126.5853,
127.9144, 122.8413

■ 0.0000, 0.0000,
0.0000

158.7330,

160.8736, 155.9554

195.9089,
199.0575, 194.5424

■ 18.8325, 18.3525,
15.6465

■ 18.8325, 18.3525,
15.6465

■ 17.1712, 16.0545,
11.9340

■ 20.7203, 20.9223,
19.9928

■ 15.7261, 14.0167,
8.8242

■ 22.8414, 23.7699,
24.9996

■ 14.4881, 12.2303,
6.2852

■ 25.2044, 26.9044,
30.6935

■ 13.4469, 10.6853,
4.2817

■ 27.8167, 30.3336,
37.0992

■ 12.5913, 9.3705,
2.7744

■ 30.6856, 34.0652,
44.2403

■ 11.9088, 8.2743,
1.7185

■ 33.8179, 38.1063,
52.1393

■ 11.3844, 7.3831,
1.0577

■ 37.2203, 42.4641,
60.8175

■ 11.1279, 6.9410,
0.7533

■ 40.8993, 47.1452,
70.2957

■ 44.8608, 52.1563,
80.5937

Harmonies

Analogous

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



19.5121, 18.3525, 17.9304



18.8325, 18.3525, 15.6465



17.7987, 18.3525, 14.5602

Triad

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



18.8325, 18.3525, 15.6465



15.4300, 18.3525, 18.9894



18.1967, 18.3525, 26.2474

Complementary

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



18.8325, 18.3525, 15.6465



17.8134, 19.9272, 26.5743

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.



17.0931, 18.3525, 26.6078



18.8325, 18.3525, 15.6465



15.5265, 18.3525, 22.1860

Square

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



18.8325, 18.3525, 15.6465



15.8552, 18.3525, 16.3512



16.1245, 18.3525, 25.0542



19.1345, 18.3525, 24.1157

Rectangle

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



18.8325, 18.3525, 15.6465



17.0608, 18.3525, 14.5736



16.1245, 18.3525, 25.0542



17.8318, 18.3525, 26.5879

Sweetspot

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



18.8330, 18.3533, 15.6469



39.6943, 40.9493, 41.8907



19.1042, 16.7541, 22.3399



8.8627, 9.1304, 9.2998



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.8330, 18.3533, 15.6469



32.0251, 30.5228, 24.1918



20.8512, 22.3898, 16.3196



5.1485, 5.2798, 5.3001



10.3752, 6.4848, 0.7049



0.0806, 0.0665, 0.0086

Inverse Universe

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



17.8134, 19.9272, 26.5743



29.8624, 33.8526, 47.3435



15.8653, 16.0312, 25.9250



5.0470, 5.4370, 6.3893



8.0684, 9.4071, 23.4362



0.0665, 0.0883, 0.1600

Previews

White Background



This preview shows how the XYZ color 18.8325, 18.3525, 15.6465 looks on a white background.

Color Contrast Check

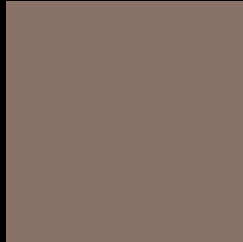
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8325, 18.3525, 15.6465 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 18.8325, 18.3525, 15.6465

Background



This preview shows how black text looks on a background with the XYZ color 18.8325, 18.3525, 15.6465.



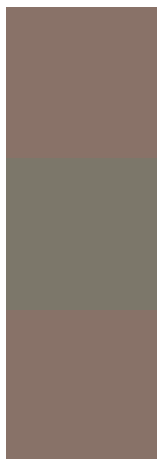
This preview shows how white text looks on a background with the XYZ color 18.8325, 18.3525,

15.6465.

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

18.8325, 18.3525, 15.6465

Protanopia

17.5105, 18.5193, 16.2874

Deuteranopia

18.6693, 18.2683, 15.6389



Tritanopia

19.8318, 18.4334, 20.2820

Trichromacy



Original Color

18.8325, 18.3525, 15.6465

Protanomaly

17.9644, 18.4096, 15.9712

Deuteranomaly

18.6693, 18.2683, 15.6389

Tritanomaly

19.4236, 18.4284, 18.4529

Monochromacy



Original Color

18.8325, 18.3525, 15.6465

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1199, 18.6074, 18.5562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8325, 18.3525, 15.6465 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(137, 114, 104)` looks like.

```
.text, #text, p{  
    color:rgb(137, 114, 104)  
}
```

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(137, 114, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 114, 104) }
```

Border

The CSS property to change the border of an element to XYZ 18.8325, 18.3525, 15.6465 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(137, 114, 104) }
```


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

```
.border{ border-color:rgb(137, 114, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 114, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 114, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 114, 104);  
box-shadow:4px 4px 4px 4px rgb(137, 114,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8325, 18.3525, 15.6465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 114, 104) }
```

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

```
.background{ background-color: rgb(137,  
114, 104) }
```

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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