

Converting Colors

XYZ(18.4575, 22.5305, 16.4227)

Have a look what the booklet for
XYZ(18.4575, 22.5305, 16.4227)
contains.

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Color

**XYZ(18.5146, 22.5356,
16.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	738968
RGB	115, 137, 104
RGB Percent	45%, 54%, 41%
CMY	0.5490, 0.4627, 0.5922
CMYK	0.16, 0.00, 0.24, 0.46
HSL	100°, 14%, 47%
HSV	100°, 24%, 54%
XYZ	18.5146, 22.5356, 16.4707
YIQ	126.6600, -2.5190, -14.9270

Conversions

Conversions Part 2

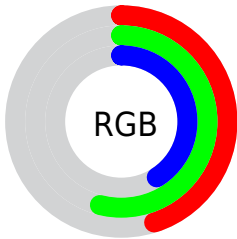
Format	Color
RYB	104, 137, 126
Decimal	7571816
CIELab	54.59, -14.43, 15.14
CIELCh	55, 20.916, 133.614
Yxy	22.5356, 0.3219, 0.3918
Android (android.graphics.Color)	4285761896 (0xFF738968)
YUV	126.6600, -11.1714, -10.2258
Hunter-Lab	47.4717, -13.4580, 12.6590

Details

The XYZ color **18.5146, 22.5356, 16.4707** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.0707, 16.1430, 25.8315**, and the grayscale version is **20.0944, 21.1409, 23.0224**.

A 20% lighter version of the original color is **40.2662, 47.4090, 38.0389**, and **6.3935, 8.2700, 5.1302** is the 20% darker color. If you saturate the color by 10%, you get **16.7324, 21.6915, 13.0452**, and if you desaturate by 10%, it is **20.5301, 23.4882, 20.4984**.

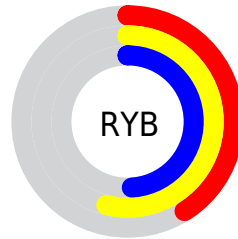
Distribution



Red (45%)

Green (54%)

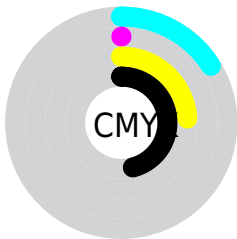
Blue (41%)



Red (41%)

Yellow (54%)

Blue (49%)

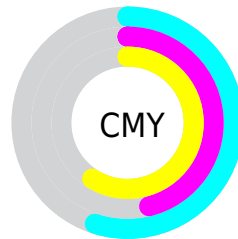


Cyan (16%)

Magenta (0%)

Yellow (24%)

Black (46%)



Cyan (55%)

Magenta (46%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5146, 22.5356, 16.4707 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 18.5146, 22.5356, 16.4707 by changing the saturation by 10% instead.

■ 18.5146, 22.5356,
16.4707

■ 18.5146, 22.5356,
16.4707

236.7457,
265.3307, 244.0432

■ 11.4220, 14.2510,
9.6999

■ 40.4355, 47.6296,
38.1916

■ 6.4208, 8.2954,
5.0974

■ 55.9945, 65.2079,
53.9787

■ 3.1457, 4.2846,
2.2448

■ 75.1064, 86.6527,
73.6083

■ 1.2313, 1.8340,
0.7001

■ 98.1364, 112.3486,
97.4990

■ 0.1308, 0.5082,
0.0000

125.4500,
142.6800, 126.0693

■ 0.0000, 0.0000,
0.0000

157.4125,

178.0312, 159.7378

194.3893,
218.7866, 198.9229

■ 18.5146, 22.5356,
16.4707

■ 18.5146, 22.5356,
16.4707

■ 16.7324, 21.6915,
13.0452

■ 20.5301, 23.4882,
20.4984

■ 15.1729, 20.9491,
10.1914

■ 22.7855, 24.5502,
25.1536

■ 13.8272, 20.3051,
7.8786

■ 25.2894, 25.7261,
30.4621

■ 12.6848, 19.7550,
6.0725

■ 28.0493, 27.0193,
36.4480

■ 11.7347, 19.2939,
4.7349

■ 31.0725, 28.4330,
43.1338

■ 10.9644, 18.9161,
3.8223

■ 34.3660, 29.9703,
50.5412

■ 10.3589, 18.6154,
3.2797

■ 37.9363, 31.6342,
58.6910

■ 10.0577, 18.4652,
3.0341

■ 41.7900, 33.4275,
67.6029

■ 45.9332, 35.3532,
77.2961

Harmonies

Analogous

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



20.3964, 22.5356, 14.1815



18.5146, 22.5356, 16.4707



17.4549, 22.5356, 21.1389

Triad

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



18.5146, 22.5356, 16.4707



20.1973, 22.5356, 38.7853



26.0058, 22.5356, 21.6785

Complementary

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



18.5146, 22.5356, 16.4707



18.0707, 16.1430, 25.8315

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.



25.9429, 22.5356, 28.2820



18.5146, 22.5356, 16.4707



22.4761, 22.5356, 39.0006

Square

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



18.5146, 22.5356, 16.4707



18.3779, 22.5356, 34.3392



24.6132, 22.5356, 34.8834



24.7793, 22.5356, 16.8046

Rectangle

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



18.5146, 22.5356, 16.4707



17.3065, 22.5356, 25.3436



24.6132, 22.5356, 34.8834



26.1372, 22.5356, 23.7486

Sweetspot

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



18.5152, 22.5366, 16.4712



39.5177, 43.3585, 42.3650



20.2769, 21.2405, 16.1282



8.8206, 9.7048, 9.4129



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.



18.5152, 22.5366, 16.4712



31.3332, 39.4938, 25.9599



17.4426, 21.9503, 17.9275



5.1187, 5.6839, 5.3797



9.3800, 17.2056, 2.8266



0.0766, 0.1217, 0.0194

Inverse Universe

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



18.0707, 16.1430, 25.8315



30.3891, 25.9476, 45.7899



19.3984, 16.8719, 23.8860



5.0746, 5.0469, 6.3125



8.2689, 3.7769, 22.3389



0.0705, 0.0331, 0.1491

Previews

White Background



This preview shows how the XYZ color 18.5146, 22.5356, 16.4707 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 18.5146, 22.5356, 16.4707 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 18.5146, 22.5356, 16.4707

Background



This preview shows how black text looks on a background with the XYZ color 18.5146, 22.5356, 16.4707.



This preview shows how white text looks on a background with the XYZ color 18.5146, 22.5356,

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

18.5146, 22.5356, 16.4707

Protanopia

20.9791, 22.3938, 15.5286

Deuteranopia

22.6976, 22.2871, 16.7412



Tritanopia

21.0189, 22.5205, 28.8303

Trichromacy



Original Color

18.5146, 22.5356, 16.4707

Protanomaly

19.9917, 22.4802, 15.8558

Deuteranomaly

20.8813, 22.1237, 16.5343

Tritanomaly

20.0291, 22.5306, 23.7153

Monochromacy



Original Color

18.5146, 22.5356, 16.4707

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.6145, 21.7755, 20.6221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5146, 22.5356, 16.4707 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, 137, 104)` looks like.

```
.text, #text, p{  
    color:rgb(115, 137, 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(115, 137, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 137, 104) }
```

Border

The CSS property to change the border of an element to XYZ 18.5146, 22.5356, 16.4707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

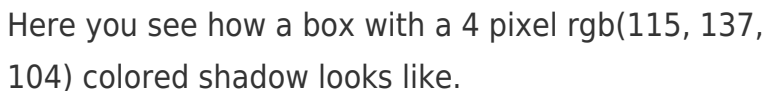
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 137, 104) }
```


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

```
.border{ border-color:rgb(115, 137, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 137, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 137, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 137, 104);  
box-shadow:4px 4px 4px 4px rgb(115, 137,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5146, 22.5356, 16.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 137, 104) }
```

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

```
.background{ background-color: rgb(115,  
137, 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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