

Converting Colors

XYZ(21.9837, 18.5709, 18.0458)

Have a look what the booklet for
XYZ(21.9837, 18.5709, 18.0458)
contains.

XYZ(22.0393, 18.6684, 18.0646)	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(22.0393, 18.6684,
18.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6A71
RGB	157, 106, 113
RGB Percent	62%, 42%, 44%
CMY	0.3843, 0.5843, 0.5569
CMYK	0.00, 0.32, 0.28, 0.38
HSL	352°, 21%, 52%
HSV	352°, 32%, 62%
XYZ	22.0393, 18.6684, 18.0646
YIQ	122.0470, 28.1490, 12.9890

Conversions

Conversions Part 2

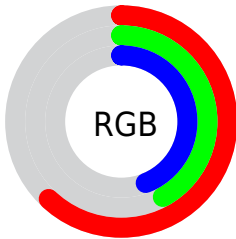
Format	Color
R_{YB}	157, 106, 113
Decimal	10316401
CIE _{Lab}	50.30, 21.41, 4.41
CIE _{LCh}	50, 21.864, 11.631
Yxy	18.6684, 0.3750, 0.3176
Android (android.graphics.Color)	4288506481 (0xFF9D6A71)
YUV	122.0470, -4.4602, 30.6538
Hunter-Lab	43.2069, 15.4384, 5.4560

Details

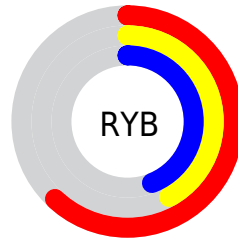
The XYZ color **22.0393, 18.6684, 18.0646** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.5066, 29.3806, 33.2876**, and the grayscale version is **18.5221, 19.4867, 21.2210**.

A 20% lighter version of the original color is **46.4590, 41.3165, 41.1235**, and **8.1761, 6.3508, 5.7959** is the 20% darker color. If you saturate the color by 10%, you get **19.8605, 15.4414, 13.8525**, and if you desaturate by 10%, it is **24.6292, 22.5351, 22.9758**.

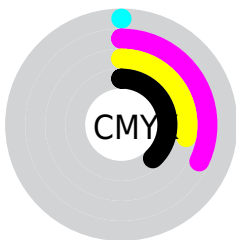
Distribution



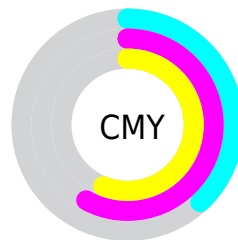
- Red (62%)
- Green (42%)
- Blue (44%)



- Red (62%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (32%)
- Yellow (28%)
- Black (38%)





- Cyan (38%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0393, 18.6684, 18.0646 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 22.0393, 18.6684, 18.0646 by changing the saturation by 10% instead.


 22.0393, 18.6684,
18.0646


 22.0393, 18.6684,
18.0646

255.3799,
244.6120, 253.4832


 14.0025, 11.4309,
10.8265


 46.2893, 41.1730,
40.9628


 8.2041, 6.3575,
5.8376


 63.2333, 57.2089,
57.4599

 4.2788, 3.0636,
2.6794

 83.8770, 76.9465,
77.8805

 1.8610, 1.1650,
0.9330

 108.5859,
100.7700, 102.6430

 0.5540, 0.0329,
0.0000

137.7253,
129.0639, 132.1659

 0.0000, 0.0000,
0.0000

171.6605,

162.2126, 166.8680

210.7570,
200.6005, 207.1675

■ 22.0393, 18.6684,
18.0646

■ 22.0393, 18.6684,
18.0646

■ 19.8605, 15.4414,
13.8525

■ 24.6292, 22.5351,
22.9758

■ 18.0700, 12.8171,
10.3065

■ 27.6483, 27.0707,
28.6148

■ 16.6453, 10.7588,
7.3926


■ 31.1156, 32.3057,
35.0099


■ 15.5607, 9.2246,
5.0733


■ 35.0483, 38.2681,
42.1879


■ 14.7872, 8.1669,
3.3071


■ 39.4629, 44.9840,
50.1740


 14.2908, 7.5291,
2.0471

 44.3749, 52.4788,
58.9924

 14.0451, 7.2243,
1.3902

 49.7993, 60.7761,
68.6661

 55.7502, 69.8988,
79.2175

 62.2415, 79.8690,
90.6679

Harmonies

Analogous

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



21.8965, 18.6684, 24.2284



22.0393, 18.6684, 18.0646



20.9653, 18.6684, 13.5208

Triad

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



22.0393, 18.6684, 18.0646



15.1733, 18.6684, 12.7956



16.4910, 18.6684, 33.5276

Complementary

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



22.0393, 18.6684, 18.0646



23.5066, 29.3806, 33.2876

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.



14.8704, 18.6684, 29.1020



22.0393, 18.6684, 18.0646



14.1524, 18.6684, 16.8681

Square

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



22.0393, 18.6684, 18.0646



16.9352, 18.6684, 10.9089



14.0461, 18.6684, 22.7702



18.5776, 18.6684, 34.0253

Rectangle

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



22.0393, 18.6684, 18.0646



19.7501, 18.6684, 11.6938



14.0461, 18.6684, 22.7702



15.8781, 18.6684, 32.4143

Sweetspot

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



22.0398, 18.6693, 18.0650



50.8648, 50.5146, 53.7465



23.6988, 19.1658, 34.3487



11.0228, 10.8596, 11.5124



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.0398, 18.6693, 18.0650



36.5631, 29.1225, 26.7475



23.6956, 22.5872, 16.7476



6.6683, 6.6602, 7.1043



11.4158, 5.8709, 1.1745



0.2134, 0.1087, 0.0700

Inverse Universe

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



22.0398, 18.6693, 18.0650



36.5631, 29.1225, 26.7475



21.2847, 24.0079, 35.4106



6.6683, 6.6602, 7.1043



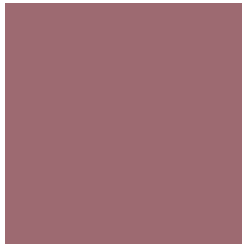
11.4158, 5.8709, 1.1745



0.2134, 0.1087, 0.0700

Previews

White Background



This preview shows how the XYZ color 22.0393, 18.6684, 18.0646 looks on a white background.

Color Contrast Check

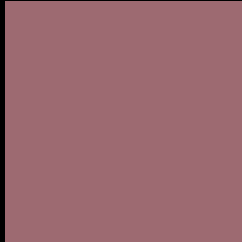
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0393, 18.6684, 18.0646 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 22.0393, 18.6684, 18.0646

Background



This preview shows how black text looks on a background with the XYZ color 22.0393, 18.6684, 18.0646.



This preview shows how white text looks on a background with the XYZ color 22.0393, 18.6684,

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

22.0393, 18.6684, 18.0646

Protanopia

18.0741, 18.7117, 20.7483

Deuteranopia

19.1063, 18.7894, 17.6586



Tritanopia

22.0959, 18.6911, 18.3627

Trichromacy



Original Color

22.0393, 18.6684, 18.0646

Protanomaly

19.2790, 18.4935, 19.6930

Deuteranomaly

20.0465, 18.5978, 17.8624

Tritanomaly

22.0959, 18.6911, 18.3627

Monochromacy



Original Color

22.0393, 18.6684, 18.0646

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5668, 18.9736, 20.0837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0393, 18.6684, 18.0646 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(157, 106, 113)` looks like.

```
.text, #text, p{  
    color:rgb(157, 106, 113)  
}
```

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(157, 106, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 106, 113) }
```

Border

The CSS property to change the border of an element to XYZ 22.0393, 18.6684, 18.0646 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(157, 106, 113) }
```


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

```
.border{ border-color:rgb(157, 106, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 106, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 106, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 106, 113);  
box-shadow:4px 4px 4px 4px rgb(157, 106,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0393, 18.6684, 18.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 106, 113) }
```

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

```
.background{ background-color: rgb(157,  
106, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor