

Converting Colors

XYZ(21.7358, 22.9860, 18.6207)

Have a look what the booklet for
XYZ(21.7358, 22.9860, 18.6207)
contains.

XYZ(21.6884, 22.8914, 18.6046)	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(21.6884, 22.8914,
18.6046)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8370
RGB	139, 131, 112
RGB Percent	55%, 51%, 44%
CMY	0.4549, 0.4863, 0.5608
CMYK	0.00, 0.06, 0.19, 0.45
HSL	42°, 11%, 49%
HSV	42°, 19%, 55%
XYZ	21.6884, 22.8914, 18.6046
YIQ	131.2260, 10.8670, -4.2130

Conversions

Conversions Part 2

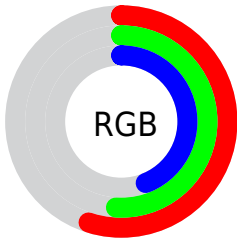
Format	Color
R_{YB}	123, 139, 112
Decimal	9143152
CIE Lab	54.96, -0.32, 11.36
CIE LCh	55, 11.369, 91.636
Yxy	22.8914, 0.3433, 0.3623
Android (android.graphics.Color)	4287333232 (0xFF8B8370)
YUV	131.2260, -9.4784, 6.8178
Hunter-Lab	47.8450, -2.8136, 10.4364

Details

The XYZ color **21.6884, 22.8914, 18.6046** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.0587, 18.7414, 27.0920**, and the grayscale version is **21.6848, 22.8141, 24.8445**.

A 20% lighter version of the original color is **45.8336, 48.2988, 42.0289**, and **8.0625, 8.5286, 6.0717** is the 20% darker color. If you saturate the color by 10%, you get **20.4316, 21.5222, 14.6576**, and if you desaturate by 10%, it is **23.0879, 24.3544, 23.1892**.

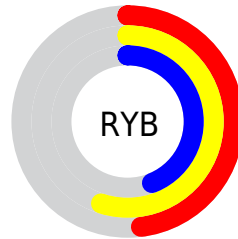
Distribution



Red (55%)

Green (51%)

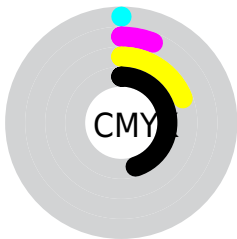
Blue (44%)



Red (48%)

Yellow (55%)

Blue (44%)

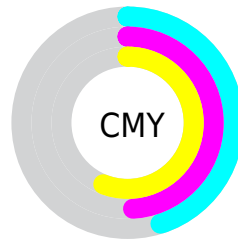


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (45%)



Cyan (45%)

Magenta (49%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6884, 22.8914, 18.6046 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 21.6884, 22.8914, 18.6046 by changing the saturation by 10% instead.

■ 21.6884, 22.8914,
18.6046

■ 21.6884, 22.8914,
18.6046

253.5777,
267.1667, 256.6067

■ 13.7434, 14.5133,
11.2110

■ 45.7131, 48.2149,
41.8926

■ 8.0229, 8.4786,
6.0930

■ 62.5236, 65.9292,
58.6242

■ 4.1616, 4.4027,
2.8320

■ 83.0200, 87.5244,
79.3055

■ 1.7939, 1.9013,
1.0095

■ 107.5677,
113.3847, 104.3550

■ 0.5140, 0.5491,
0.0000

136.5319,
143.8948, 134.1914

■ 0.0000, 0.0000,
0.0000

170.2781,

179.4388, 169.2331

209.1716,
220.4014, 209.8987

■ 21.6884, 22.8914,
18.6046

■ 21.6884, 22.8914,
18.6046

■ 20.4316, 21.5222,
14.6576

■ 23.0879, 24.3544,
23.1892

■ 19.3100, 20.2410,
11.3180

■ 24.6336, 25.9108,
28.4371

■ 18.3181, 19.0460,
8.5551

■ 26.3312, 27.5638,
34.3741

■ 17.4490, 17.9342,
6.3350

■ 28.1856, 29.3158,
41.0243

■ 16.6956, 16.9020,
4.6202

■ 30.2012, 31.1691,
48.4107

■ 16.0495, 15.9459,
3.3686

■ 32.3826, 33.1258,
56.5552

■ 15.5011, 15.0615,
2.5310

■ 34.7337, 35.1878,
65.4787

■ 15.0259, 14.2386,
1.9794

■ 37.2588, 37.3572,
75.2015

■ 14.9993, 14.1925,
1.9489

■ 39.9617, 39.6359,
85.7429

Harmonies

Analogous

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



22.9306, 22.8914, 19.2971



21.6884, 22.8914, 18.6046



20.5097, 22.8914, 19.4648

Triad

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



21.6884, 22.8914, 18.6046



19.7567, 22.8914, 28.7498



23.9630, 22.8914, 28.3736

Complementary

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



21.6884, 22.8914, 18.6046



18.0587, 18.7414, 27.0920

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.



23.0551, 22.8914, 31.3209



21.6884, 22.8914, 18.6046



20.6252, 22.8914, 31.5525

Square

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



21.6884, 22.8914, 18.6046



19.4214, 22.8914, 25.1237



21.8269, 22.8914, 32.5353



24.2739, 22.8914, 24.7270

Rectangle

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



21.6884, 22.8914, 18.6046



19.9102, 22.8914, 20.8563



21.8269, 22.8914, 32.5353



23.7158, 22.8914, 29.4908

Sweetspot

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



21.6890, 22.8924, 18.6051



42.2283, 44.5133, 44.4893



19.8381, 18.4361, 20.3144



9.6957, 10.2218, 10.1344



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.6890, 22.8924, 18.6051



37.8931, 39.9762, 30.3019



21.9254, 24.6709, 18.9359



5.3081, 5.5990, 5.3533



13.5527, 12.8399, 1.7640



0.1028, 0.1108, 0.0160

Inverse Universe

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



18.0587, 18.7414, 27.0920



30.2479, 31.2354, 48.1778



17.8446, 17.2624, 26.8178



4.8876, 5.1181, 6.3361



4.9406, 3.1516, 22.3936



0.0443, 0.0440, 0.1526

Previews

White Background



This preview shows how the XYZ color 21.6884, 22.8914, 18.6046 looks on a white background.

Color Contrast Check

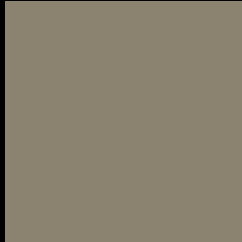
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6884, 22.8914, 18.6046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

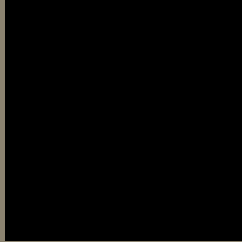
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6884, 22.8914, 18.6046

Background



This preview shows how black text looks on a background with the XYZ color 21.6884, 22.8914, 18.6046.



This preview shows how white text looks on a background with the XYZ color 21.6884, 22.8914,

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

21.6884, 22.8914, 18.6046

Protanopia

21.5222, 22.8057, 18.5968

Deuteranopia

23.3325, 22.9503, 18.8229



Tritanopia

23.2601, 22.7357, 26.8294

Trichromacy



Original Color

21.6884, 22.8914, 18.6046

Protanomaly

21.5222, 22.8057, 18.5968

Deuteranomaly

22.7324, 22.8336, 18.8320

Tritanomaly

22.6000, 22.6596, 23.6047

Monochromacy



Original Color

21.6884, 22.8914, 18.6046

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5859, 22.7562, 22.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6884, 22.8914, 18.6046 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(139, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(139, 131, 112)  
}
```

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(139, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 131, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.6884, 22.8914, 18.6046 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(139, 131, 112) }
```


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

```
.border{ border-color:rgb(139, 131, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 131, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 131, 112); box-shadow:4px 4px 4px 4px rgb(139, 131, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6884, 22.8914, 18.6046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 131, 112) }
```

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

```
.background{ background-color: rgb(139,  
131, 112) }
```

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