

Converting Colors

XYZ(18.9913, 22.0116, 8.5955)

Have a look what the booklet for
XYZ(18.9913, 22.0116, 8.5955)
contains.

XYZ(18.9372, 21.8943, 8.5381)	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(18.9372, 21.8943,
8.5381)**

Conversions

Conversions Part 1

Format	Color
Hex	858443
RGB	133, 132, 67
RGB Percent	52%, 52%, 26%
CMY	0.4784, 0.4823, 0.7372
CMYK	0.00, 0.01, 0.50, 0.48
HSL	59°, 33%, 39%
HSV	59°, 50%, 52%
XYZ	18.9372, 21.8943, 8.5381
YIQ	124.8890, 21.4610, -20.0030

Conversions

Conversions Part 2

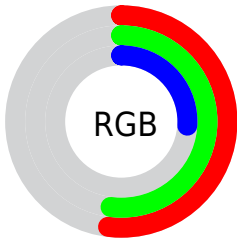
Format	Color
RYB	68, 133, 67
Decimal	8750147
CIELab	53.91, -9.33, 34.94
CIElCh	54, 36.161, 104.944
Yxy	21.8943, 0.3836, 0.4435
Android (android.graphics.Color)	4286940227 (0xFF858443)
YUV	124.8890, -28.5393, 7.1133
Hunter-Lab	46.7913, -9.6431, 21.9352

Details

The XYZ color **18.9372, 21.8943, 8.5381** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.6154, 7.0207, 23.0912**, and the grayscale version is **19.5440, 20.5618, 22.3918**.

A 20% lighter version of the original color is **41.2989, 46.6736, 23.6619**, and **6.6041, 7.9829, 1.8089** is the 20% darker color. If you saturate the color by 10%, you get **18.5562, 21.6992, 6.6638**, and if you desaturate by 10%, it is **19.4109, 22.1282, 10.8961**.

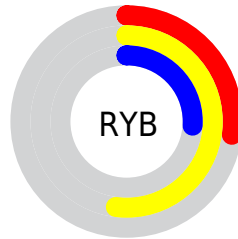
Distribution



Red (52%)

Green (52%)

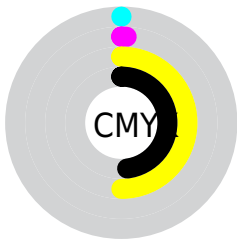
Blue (26%)



Red (27%)

Yellow (52%)

Blue (26%)

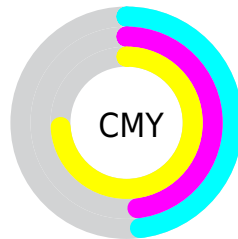


Cyan (0%)

Magenta (1%)

Yellow (50%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9372, 21.8943, 8.5381 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 18.9372, 21.8943, 8.5381 by changing the saturation by 10% instead.

■ 18.9372, 21.8943,
8.5381

■ 18.9372, 21.8943,
8.5381

239.0466,
261.9938, 189.9832

■ 11.7286, 13.7793,
4.3485

■ 41.1456, 46.5712,
23.5701

■ 6.6301, 7.9673,
1.8184

■ 56.8763, 63.9019,
35.2496

■ 3.2761, 4.0740,
0.4401

■ 76.1783, 85.0733,
50.2628

■ 1.3014, 1.7151,
0.0000

■ 99.4170, 110.4697,
69.0282

■ 0.1843, 0.4334,
0.0000

■ 126.9579,
140.4755, 91.9644

■ 0.0000, 0.0000,
0.0000

159.1662,

175.4752, 119.4900

196.4073,
215.8532, 152.0234

■ 18.9372, 21.8943,
8.5381

■ 18.9372, 21.8943,
8.5381

■ 18.5562, 21.6992,
6.6638

■ 19.4109, 22.1282,
10.8961

■ 18.2601, 21.5373,
5.2382

■ 19.9816, 22.4001,
13.7667

■ 18.0422, 21.4068,
4.2241

■ 20.6551, 22.7133,
17.1782

■ 17.8940, 21.3043,
3.5775

■ 21.4363, 23.0696,
21.1566

■ 17.7919, 21.2203,
3.1726

■ 22.3297, 23.4709,
25.7258

■ 17.7881, 21.2171,
3.1578

■ 23.3397, 23.9189,
30.9088

■ 24.4704, 24.4152,
36.7271

■ 25.7257, 24.9615,
43.2013

■ 27.1093, 25.5592,
50.3508

Harmonies

Analogous

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



22.8170, 21.8943, 8.5435



18.9372, 21.8943, 8.5381



15.9538, 21.8943, 11.6500

Triad

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



18.9372, 21.8943, 8.5381



15.9452, 21.8943, 42.4335



28.9146, 21.8943, 29.8576

Complementary

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



18.9372, 21.8943, 8.5381



8.6154, 7.0207, 23.0912

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.



26.5631, 21.8943, 42.4768



18.9372, 21.8943, 8.5381



18.9240, 21.8943, 51.1382

Square

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



18.9372, 21.8943, 8.5381



14.3787, 21.8943, 29.8109



22.8021, 21.8943, 51.1562



28.9192, 21.8943, 18.7235

Rectangle

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



18.9372, 21.8943, 8.5381



14.7346, 21.8943, 15.8588



22.8021, 21.8943, 51.1562



28.3605, 21.8943, 34.1282

Sweetspot

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



18.9377, 21.8953, 8.5386



37.5643, 40.9388, 33.6866



12.7265, 9.4196, 6.6325



8.4079, 9.1980, 7.3093



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.9377, 21.8953, 8.5386



33.1278, 38.8045, 11.4330



14.7787, 19.9527, 8.3828



5.0339, 5.4113, 5.0085



16.9442, 20.2110, 3.0081



0.0592, 0.0710, 0.0106

Inverse Universe

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



8.6154, 7.0207, 23.0912



12.3102, 8.8086, 40.7898



11.3756, 8.3550, 23.2032



4.4397, 4.5550, 5.8460



4.0539, 1.6556, 21.2426



0.0144, 0.0064, 0.0737

Previews

White Background



This preview shows how the XYZ color 18.9372, 21.8943, 8.5381 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 18.9372, 21.8943, 8.5381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

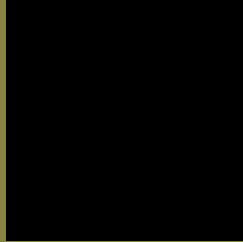
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9372, 21.8943, 8.5381

Background



This preview shows how black text looks on a background with the XYZ color 18.9372, 21.8943, 8.5381.



This preview shows how white text looks on a background with the XYZ color 18.9372, 21.8943,

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

18.9372, 21.8943, 8.5381

Protanopia

19.9890, 21.8446, 8.3172

Deuteranopia

22.2577, 21.8647, 8.6774



Tritanopia

22.4519, 21.9639, 25.6104

Trichromacy



Original Color

18.9372, 21.8943, 8.5381

Protanomaly

19.6135, 21.8476, 8.3375

Deuteranomaly

20.8987, 21.7286, 8.5614

Tritanomaly

20.8502, 21.8825, 17.8767

Monochromacy



Original Color

18.9372, 21.8943, 8.5381

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1199, 21.0270, 16.1476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9372, 21.8943, 8.5381 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(133, 132, 67)` looks like.

```
.text, #text, p{  
    color:rgb(133, 132, 67)  
}
```

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(133, 132, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 132, 67) }
```

Border

The CSS property to change the border of an element to XYZ 18.9372, 21.8943, 8.5381 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(133, 132, 67) }
```


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

```
.border{ border-color:rgb(133, 132, 67) }
```

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

Here you see how a box with a 4 pixel rgb(133, 132, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 132, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 132, 67);  
box-shadow:4px 4px 4px 4px rgb(133, 132,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9372, 21.8943, 8.5381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 132, 67) }
```

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

```
.background{ background-color: rgb(133,  
132, 67) }
```

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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