

Converting Colors

XYZ(18.9473, 20.9750, 11.4375)

Have a look what the booklet for
XYZ(18.9473, 20.9750, 11.4375)
contains.

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Color

**XYZ(18.9923, 21.0650,
11.4525)**

Conversions

Conversions Part 1

Format	Color
Hex	858054
RGB	133, 128, 84
RGB Percent	52%, 50%, 33%
CMY	0.4784, 0.4980, 0.6706
CMYK	0.00, 0.04, 0.37, 0.48
HSL	54°, 23%, 43%
HSV	54°, 37%, 52%
XYZ	18.9923, 21.0650, 11.4525
YIQ	124.4790, 17.1040, -12.6240

Conversions

Conversions Part 2

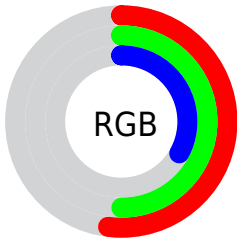
Format	Color
RYB	90, 133, 84
Decimal	8749140
CIELab	53.02, -5.19, 24.59
CIELCh	53, 25.134, 101.913
Yxy	21.0650, 0.3687, 0.4090
Android (android.graphics.Color)	4286939220 (0xFF858054)
YUV	124.4790, -19.9561, 7.4729
Hunter-Lab	45.8966, -6.4547, 17.3331

Details

The XYZ color **18.9923, 21.0650, 11.4525** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.4622, 10.7228, 23.6559**, and the grayscale version is **19.3793, 20.3885, 22.2031**.

A 20% lighter version of the original color is **41.3205, 45.3338, 29.1267**, and **6.6255, 7.5257, 2.9371** is the 20% darker color. If you saturate the color by 10%, you get **18.3446, 20.5255, 8.9061**, and if you desaturate by 10%, it is **19.7424, 21.6507, 14.5216**.

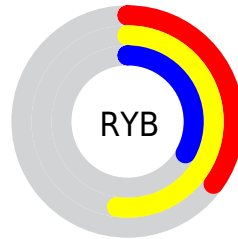
Distribution



Red (52%)

Green (50%)

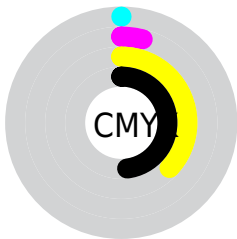
Blue (33%)



Red (35%)

Yellow (52%)

Blue (33%)

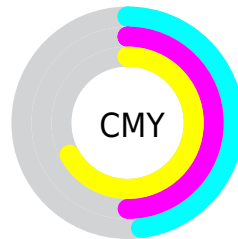


Cyan (0%)

Magenta (4%)

Yellow (37%)

Black (48%)



Cyan (48%)

Magenta (50%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9923, 21.0650, 11.4525 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 18.9923, 21.0650, 11.4525 by changing the saturation by 10% instead.

■ 18.9923, 21.0650,
11.4525

■ 18.9923, 21.0650,
11.4525

239.3452,
257.6237, 211.5938

■ 11.7687, 13.1715,
6.2541

■ 41.2381, 45.1957,
29.1433

■ 6.6574, 7.5468,
2.9289

■ 56.9909, 62.2017,
42.4727

■ 3.2932, 3.8063,
1.0584

■ 76.3176, 83.0140,
59.3495

■ 1.3107, 1.5658,
0.0000

■ 99.5834, 108.0170,
80.1923

■ 0.1912, 0.3344,
0.0000

■ 127.1537,
137.5950, 105.4196

■ 0.0000, 0.0000,
0.0000

159.3938,

172.1326, 135.4499

196.6692,
212.0140, 170.7018

■ 18.9923, 21.0650,
11.4525

■ 18.9923, 21.0650,
11.4525

■ 18.3446, 20.5255,
8.9061

■ 19.7424, 21.6507,
14.5216

■ 17.7920, 20.0270,
6.8515

■ 20.5985, 22.2819,
18.1394

■ 17.3289, 19.5682,
5.2566


■ 21.5658, 22.9615,
22.3315


■ 16.9484, 19.1460,
4.0849


■ 22.6491, 23.6911,
27.1219


■ 16.6425, 18.7575,
3.2945


■ 23.8524, 24.4727,
32.5330


 16.3963, 18.3965,
2.8074

 25.1799, 25.3078,
38.5859

 16.3219, 18.2846,
2.6690

 26.6354, 26.1980,
45.3010

 28.2226, 27.1447,
52.6977

 29.9450, 28.1494,
60.7945

Harmonies

Analogous

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



21.6388, 21.0650, 11.7094



18.9923, 21.0650, 11.4525



16.8196, 21.0650, 13.7321

Triad

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



18.9923, 21.0650, 11.4525



16.4779, 21.0650, 34.0784



25.2432, 21.0650, 27.7504

Complementary

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



18.9923, 21.0650, 11.4525



11.4622, 10.7228, 23.6559

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.



23.6063, 21.0650, 35.5399



18.9923, 21.0650, 11.4525



18.4872, 21.0650, 39.7103

Square

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



18.9923, 21.0650, 11.4525



15.4556, 21.0650, 26.0689



21.0875, 21.0650, 40.2973



25.4086, 21.0650, 20.0651

Rectangle

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



18.9923, 21.0650, 11.4525



15.8702, 21.0650, 16.7518



21.0875, 21.0650, 40.2973



24.8405, 21.0650, 30.4814

Sweetspot

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



18.9928, 21.0660, 11.4529



37.8311, 40.5719, 36.5516



14.6768, 12.0608, 11.1645



8.4793, 9.1098, 8.0453



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.



18.9928, 21.0660, 11.4529



33.0519, 36.9293, 16.7208



16.9556, 21.0072, 11.5490



5.0003, 5.3441, 4.9973



15.5503, 17.4231, 2.5434



0.0568, 0.0662, 0.0098

Inverse Universe

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



11.4622, 10.7228, 23.6559



17.5622, 15.6593, 41.8353



12.9729, 10.9052, 23.6115



4.4699, 4.6154, 5.8560



4.1799, 1.9076, 21.2846



0.0168, 0.0112, 0.0745

Previews

White Background



This preview shows how the XYZ color 18.9923, 21.0650, 11.4525 looks on a white background.

Color Contrast Check

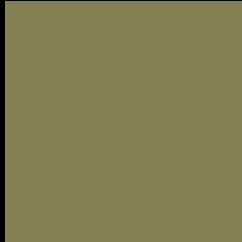
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9923, 21.0650, 11.4525 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

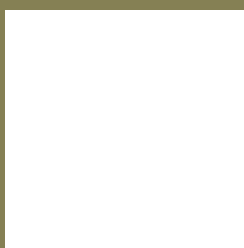
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9923, 21.0650, 11.4525

Background



This preview shows how black text looks on a background with the XYZ color 18.9923, 21.0650, 11.4525.



This preview shows how white text looks on a background with the XYZ color 18.9923, 21.0650,

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

18.9923, 21.0650, 11.4525

Protanopia

19.4672, 21.1216, 11.2345

Deuteranopia

21.4260, 21.0060, 11.5196



Tritanopia

21.6056, 20.9883, 24.7422

Trichromacy



Original Color

18.9923, 21.0650, 11.4525

Protanomaly

19.3040, 21.0375, 11.2268

Deuteranomaly

20.5244, 21.0909, 11.5835

Tritanomaly

20.4555, 20.8873, 19.1732

Monochromacy



Original Color

18.9923, 21.0650, 11.4525

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8463, 20.2834, 17.3898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9923, 21.0650, 11.4525 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, 128, 84)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 84)  
}
```

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, 128, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 84) }
```

Border

The CSS property to change the border of an element to XYZ 18.9923, 21.0650, 11.4525 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, 128, 84) }
```


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

```
.border{ border-color:rgb(133, 128, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 84);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9923, 21.0650, 11.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 84) }
```

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

```
.background{ background-color: rgb(133,  
128, 84) }
```

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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