

Converting Colors

XYZ(19.6359, 22.1510, 13.4580)

Have a look what the booklet for
XYZ(19.6359, 22.1510, 13.4580)
contains.

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Color

**XYZ(19.5431, 22.1005,
13.3610)**

Conversions

Conversions Part 1

Format	Color
Hex	83845C
RGB	131, 132, 92
RGB Percent	51%, 52%, 36%
CMY	0.4863, 0.4823, 0.6392
CMYK	0.01, 0.00, 0.30, 0.48
HSL	62°, 18%, 44%
HSV	62°, 30%, 52%
XYZ	19.5431, 22.1005, 13.3610
YIQ	127.1410, 12.2440, -12.6520

Conversions

Conversions Part 2

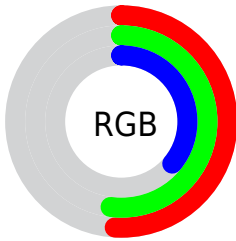
Format	Color
RYB	92, 132, 93
Decimal	8619100
CIELab	54.13, -7.19, 21.53
CIELCh	54, 22.702, 108.455
Yxy	22.1005, 0.3553, 0.4018
Android (android.graphics.Color)	4286809180 (0xFF83845C)
YUV	127.1410, -17.3245, 3.3843
Hunter-Lab	47.0112, -8.0650, 16.0571

Details

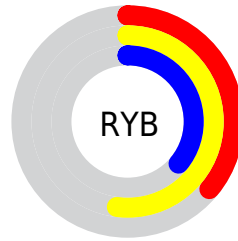
The XYZ color **19.5431, 22.1005, 13.3610** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5070, 11.6479, 23.4201**, and the grayscale version is **20.2764, 21.3324, 23.2310**.

A 20% lighter version of the original color is **42.3145, 46.9954, 32.8274**, and **6.9602, 8.1253, 3.6841** is the 20% darker color. If you saturate the color by 10%, you get **18.9647, 21.8640, 10.5798**, and if you desaturate by 10%, it is **20.2234, 22.3793, 16.6728**.

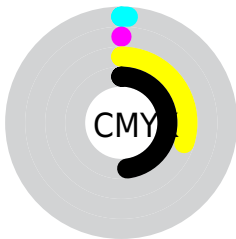
Distribution



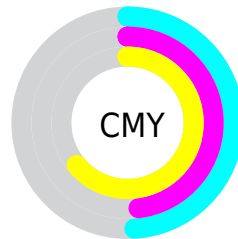
- Red (51%)
- Green (52%)
- Blue (36%)



- Red (36%)
- Yellow (52%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5431, 22.1005, 13.3610 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 19.5431, 22.1005, 13.3610 by changing the saturation by 10% instead.

■ 19.5431, 22.1005,
13.3610

■ 19.5431, 22.1005,
13.3610

242.3118,
263.0707, 224.5070

■ 12.1697, 13.9308,
7.5440

■ 42.1596, 46.9120,
32.6515

■ 6.9324, 8.0725,
3.7210

■ 58.1335, 64.3226,
46.9620

■ 3.4658, 4.1414,
1.4736

■ 77.7048, 85.5823,
64.9407

■ 1.4046, 1.7530,
0.1981

■ 101.2390,
111.0755, 87.0063

■ 0.2595, 0.4576,
0.0000

129.1015,
141.1865, 113.5771

■ 0.0000, 0.0000,
0.0000

161.6575,

176.2998, 145.0718

199.2725,
216.7997, 181.9089

■ 19.5431, 22.1005,
13.3610

■ 19.5431, 22.1005,
13.3610

■ 18.9647, 21.8640,
10.5798

■ 20.2234, 22.3793,
16.6728

■ 18.4812, 21.6647,
8.3004

■ 21.0087, 22.6994,
20.5392

■ 18.0876, 21.5014,
6.4931

■ 21.9041, 23.0635,
24.9846

■ 17.7776, 21.3715,
5.1250

■ 22.9139, 23.4734,
30.0315

■ 17.5440, 21.2722,
4.1585

■ 24.0421, 23.9307,
35.7010

■ 17.3785, 21.2002,
3.5501

■ 25.2925, 24.4369,
42.0135

■ 17.2584, 21.1466,
3.1721

■ 26.6689, 24.9935,
48.9882

■ 28.1747, 25.6019,
56.6436

■ 29.8133, 26.2634,
64.9975

Harmonies

Analogous

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



21.9673, 22.1005, 13.0774



19.5431, 22.1005, 13.3610



17.6593, 22.1005, 16.1478

Triad

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



19.5431, 22.1005, 13.3610



18.0210, 22.1005, 35.6996



25.9921, 22.1005, 26.8794

Complementary

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



19.5431, 22.1005, 13.3610



12.5070, 11.6479, 23.4201

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.



24.7506, 22.1005, 34.2180



19.5431, 22.1005, 13.3610



20.0729, 22.1005, 39.9352

Square

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



19.5431, 22.1005, 13.3610



16.8290, 22.1005, 28.6142



22.5399, 22.1005, 39.3455



25.8223, 22.1005, 20.0232

Rectangle

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



19.5431, 22.1005, 13.3610



16.9044, 22.1005, 19.4217



22.5399, 22.1005, 39.3455



25.7223, 22.1005, 29.3920

Sweetspot

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



19.5437, 22.1015, 13.3615



37.1690, 40.0496, 36.9906



15.3333, 13.4491, 11.9133



8.6096, 9.3064, 8.3939



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.



19.5437, 22.1015, 13.3615



33.7417, 38.6498, 20.2471



16.7814, 20.6775, 13.2322



5.0285, 5.4172, 5.0100



16.7103, 20.4744, 3.0712



0.0588, 0.0714, 0.0107

Inverse Universe

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



12.5070, 11.6479, 23.4201



19.3831, 17.3175, 40.7742



14.7599, 12.8094, 23.5255



4.4445, 4.5497, 5.8447



4.0734, 1.6341, 21.2374



0.0148, 0.0060, 0.0736

Previews

White Background



This preview shows how the XYZ color 19.5431, 22.1005, 13.3610 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 19.5431, 22.1005, 13.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

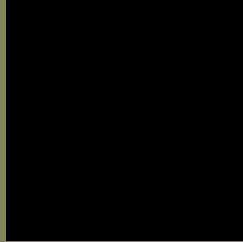
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5431, 22.1005, 13.3610

Background



This preview shows how black text looks on a background with the XYZ color 19.5431, 22.1005, 13.3610.



This preview shows how white text looks on a background with the XYZ color 19.5431, 22.1005,

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

19.5431, 22.1005, 13.3610

Protanopia

20.5538, 22.0313, 13.0667

Deuteranopia

22.3649, 21.9958, 13.6565



Tritanopia

22.0581, 21.9335, 26.3636

Trichromacy



Original Color

19.5431, 22.1005, 13.3610

Protanomaly

20.1875, 22.0390, 13.0875

Deuteranomaly

21.2422, 21.9888, 13.4806

Tritanomaly

20.9409, 21.8627, 20.8855

Monochromacy



Original Color

19.5431, 22.1005, 13.3610

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7896, 21.5046, 19.0274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5431, 22.1005, 13.3610 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(131, 132, 92)` looks like.

```
.text, #text, p{  
    color:rgb(131, 132, 92)  
}
```

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(131, 132, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 92) }
```

Border

The CSS property to change the border of an element to XYZ 19.5431, 22.1005, 13.3610 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(131, 132, 92) }
```


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

```
.border{ border-color:rgb(131, 132, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 132, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 92);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5431, 22.1005, 13.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 92) }
```

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

```
.background{ background-color: rgb(131,  
132, 92) }
```

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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