

Converting Colors

XYZ(19.3148, 21.4653, 16.2680)

Have a look what the booklet for
XYZ(19.3148, 21.4653, 16.2680)
contains.

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Color

**XYZ(19.3834, 21.5539,
16.2354)**

Conversions

Conversions Part 1

Format	Color
Hex	808268
RGB	128, 130, 104
RGB Percent	50%, 51%, 41%
CMY	0.4980, 0.4902, 0.5922
CMYK	0.02, 0.00, 0.20, 0.49
HSL	65°, 11%, 46%
HSV	65°, 20%, 51%
XYZ	19.3834, 21.5539, 16.2354
YIQ	126.4380, 7.1540, -8.5100

Conversions

Conversions Part 2

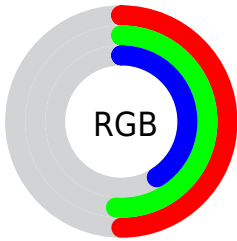
Format	Color
RYB	104, 130, 106
Decimal	8421992
CIELab	53.55, -5.48, 13.86
CIELCh	54, 14.903, 111.572
Yxy	21.5539, 0.3390, 0.3770
Android (android.graphics.Color)	4286612072 (0xFF808268)
YUV	126.4380, -11.0619, 1.3699
Hunter-Lab	46.4262, -6.7203, 11.7644

Details

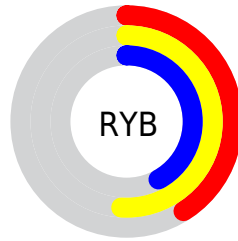
The XYZ color **19.3834, 21.5539, 16.2354** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9242, 14.5771, 23.1473**, and the grayscale version is **20.0157, 21.0581, 22.9323**.

A 20% lighter version of the original color is **41.9059, 46.0573, 37.6916**, and **6.9054, 7.8425, 5.0207** is the 20% darker color. If you saturate the color by 10%, you get **18.6237, 21.2334, 13.0146**, and if you desaturate by 10%, it is **20.2476, 21.9178, 19.9935**.

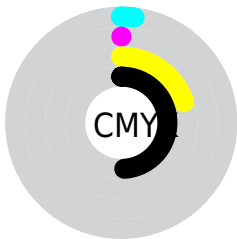
Distribution



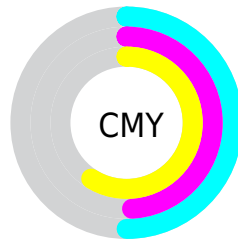
- Red (50%)
- Green (51%)
- Blue (41%)



- Red (41%)
- Yellow (51%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (49%)



- Cyan (50%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3834, 21.5539, 16.2354 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 19.3834, 21.5539, 16.2354 by changing the saturation by 10% instead.

■ 19.3834, 21.5539,
16.2354

■ 19.3834, 21.5539,
16.2354

241.4549,
260.2077, 242.6197

■ 12.0533, 13.5295,
9.5347

■ 41.8928, 46.0076,
37.7789

■ 6.8524, 7.7942,
4.9900

■ 57.8029, 63.2056,
53.4587

■ 3.4155, 3.9635,
2.1828

■ 77.3036, 84.2303,
72.9687

■ 1.3771, 1.6532,
0.6644

■ 100.7604,
109.4661, 96.7274

■ 0.2398, 0.3931,
0.0000

128.5385,
139.2973, 125.1533

■ 0.0000, 0.0000,
0.0000

161.0034,

174.1084, 158.6650

198.5205,
214.2837, 197.6809

■ 19.3834, 21.5539,
16.2354

■ 19.3834, 21.5539,
16.2354

■ 18.6237, 21.2334,
13.0146

■ 20.2476, 21.9178,
19.9935

■ 17.9621, 20.9516,
10.3052

■ 21.2188, 22.3240,
24.3103

■ 17.3941, 20.7075,
8.0812

■ 22.3019, 22.7750,
29.2080

■ 16.9144, 20.4988,
6.3140

■ 23.5006, 23.2725,
34.7070

■ 16.5168, 20.3231,
4.9716

■ 24.8187, 23.8179,
40.8267

■ 16.1945, 20.1777,
4.0184

■ 26.2597, 24.4127,
47.5857

■ 15.9396, 20.0595,
3.4125

■ 27.8270, 25.0581,
55.0018

■ 15.7274, 19.9585,
3.0234

■ 29.5238, 25.7555,
63.0921

■ 31.3533, 26.5062,
71.8731

Harmonies

Analogous

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



20.9374, 21.5539, 15.8333



19.3834, 21.5539, 16.2354



18.1848, 21.5539, 18.4392

Triad

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



19.3834, 21.5539, 16.2354



18.6454, 21.5539, 31.0125



23.6598, 21.5539, 24.7746

Complementary

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



19.3834, 21.5539, 16.2354



14.9242, 14.5771, 23.1473

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.



22.9743, 21.5539, 29.3381



19.3834, 21.5539, 16.2354



20.0418, 21.5539, 33.2321

Square

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



19.3834, 21.5539, 16.2354



17.7743, 21.5539, 26.8349



21.6303, 21.5539, 32.5827



23.4611, 21.5539, 20.3961

Rectangle

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



19.3834, 21.5539, 16.2354



17.7222, 21.5539, 20.8097



21.6303, 21.5539, 32.5827



23.5239, 21.5539, 26.3448

Sweetspot

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



19.3840, 21.5549, 16.2359



36.2940, 38.8642, 38.0276



16.8319, 15.9990, 15.2980



8.1955, 8.7886, 8.5210



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.3840, 21.5549, 16.2359



33.5047, 37.6919, 25.8997



17.5874, 20.6287, 16.1518



4.6337, 5.0031, 4.6416



15.0819, 19.1374, 2.8990



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9242, 14.5771, 23.1473



24.1661, 23.0795, 40.3736



16.5514, 15.4159, 23.2234



4.1372, 4.2263, 5.4110



3.9864, 1.6087, 20.3504



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.3834, 21.5539, 16.2354 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 19.3834, 21.5539, 16.2354 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

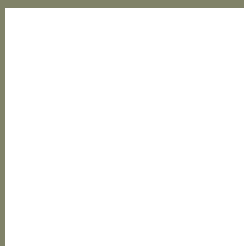
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3834, 21.5539, 16.2354

Background



This preview shows how black text looks on a background with the XYZ color 19.3834, 21.5539, 16.2354.



This preview shows how white text looks on a background with the XYZ color 19.3834, 21.5539,

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

19.3834, 21.5539, 16.2354

Protanopia

20.3207, 21.6519, 15.9402

Deuteranopia

21.8455, 21.4817, 16.3596



Tritanopia

21.4205, 21.6048, 26.3337

Trichromacy



Original Color

19.3834, 21.5539, 16.2354

Protanomaly

19.9713, 21.6663, 15.9614

Deuteranomaly

20.9952, 21.6044, 16.4281

Tritanomaly

20.5875, 21.4593, 22.1258

Monochromacy



Original Color

19.3834, 21.5539, 16.2354

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6118, 20.9988, 20.1591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3834, 21.5539, 16.2354 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(128, 130, 104)` looks like.

```
.text, #text, p{  
    color:rgb(128, 130, 104)  
}
```

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(128, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 130, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.3834, 21.5539, 16.2354 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(128, 130, 104) }
```


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

```
.border{ border-color:rgb(128, 130, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 130, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(128, 130,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3834, 21.5539, 16.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 130, 104) }
```

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

```
.background{ background-color: rgb(128,  
130, 104) }
```

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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