

Converting Colors

XYZ(10.9784, 12.0033, 9.5517)

Have a look what the booklet for
XYZ(10.9784, 12.0033, 9.5517)
contains.

XYZ(10.9985, 11.9821, 9.5177)	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(10.9985, 11.9821,
9.5177)**

Conversions

Conversions Part 1

Format	Color
Hex	636251
RGB	99, 98, 81
RGB Percent	39%, 38%, 32%
CMY	0.6118, 0.6157, 0.6823
CMYK	0.00, 0.01, 0.18, 0.61
HSL	57°, 10%, 35%
HSV	57°, 18%, 39%
XYZ	10.9985, 11.9821, 9.5177
YIQ	96.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

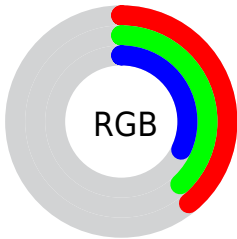
Format	Color
R_{YB}	82, 99, 81
Decimal	6513233
CIE _{Lab}	41.19, -2.85, 9.84
CIE _{LCh}	41, 10.242, 106.141
Yxy	11.9821, 0.3384, 0.3687
Android (android.graphics.Color)	4284703313 (0xFF636251)
YUV	96.3610, -7.5730, 2.3144
Hunter-Lab	34.6152, -3.8606, 7.9284

Details

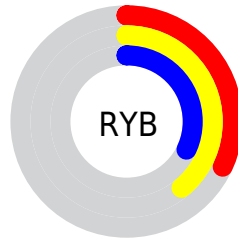
The XYZ color **10.9985, 11.9821, 9.5177** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.6628, 8.6847, 13.0242**, and the grayscale version is **11.2231, 11.8075, 12.8584**.

A 20% lighter version of the original color is **27.3544, 29.5906, 25.3889**, and **2.9626, 3.3134, 2.1525** is the 20% darker color. If you saturate the color by 10%, you get **10.6030, 11.7424, 7.6859**, and if you desaturate by 10%, it is **11.4492, 12.2452, 11.6353**.

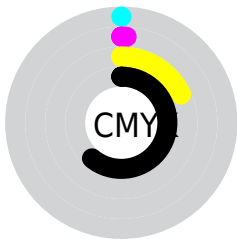
Distribution



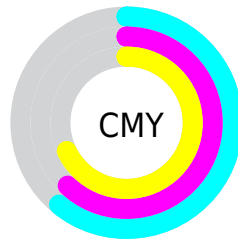
- Red (39%)
- Green (38%)
- Blue (32%)



- Red (32%)
- Yellow (39%)
- Blue (32%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (61%)



- Cyan (61%)
- Magenta (62%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9985, 11.9821, 9.5177 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 10.9985, 11.9821, 9.5177 by changing the saturation by 10% instead.

■ 10.9985, 11.9821,
9.5177

■ 10.9985, 11.9821,
9.5177

191.5658,
204.2868, 197.5524

■ 6.1331, 6.7315,
4.9790

■ 27.2904, 29.4625,
25.4778

■ 2.9676, 3.2948,
2.1764

■ 39.4476, 42.4611,
37.7362

■ 1.1367, 1.2875,
0.6607

■ 54.7661, 58.8111,
53.4050

■ 0.0555, 0.1315,
0.0000

■ 73.6112, 78.8970,
72.9026

■ 0.0000, 0.0000,
0.0000

■ 96.3484, 103.1031,
96.6476

123.3430,

131.8138, 125.0585

154.9603,
165.4136, 158.5539

■ 10.9985, 11.9821,
9.5177

■ 10.9985, 11.9821,
9.5177

■ 10.6030, 11.7424,
7.6859

■ 11.4492, 12.2452,
11.6353

■ 10.2593, 11.5236,
6.1269

■ 11.9562, 12.5311,
14.0495

■ 9.9653, 11.3252,
4.8276

■ 12.5221, 12.8410,
16.7714

■ 9.7182, 11.1462,
3.7739

■ 13.1486, 13.1758,
19.8114

■ 9.5151, 10.9853,
2.9501

■ 13.8378, 13.5362,
23.1793

■ 9.3527, 10.8412,
2.3386

■ 14.5914, 13.9229,
26.8847

■ 9.2272, 10.7125,
1.9197

■ 15.4111, 14.3367,
30.9366

■ 9.1238, 10.5931,
1.6155

■ 16.2986, 14.7781,
35.3436

■ 9.1051, 10.5715,
1.5606

■ 17.2555, 15.2479,
40.1142

Harmonies

Analogous

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



11.7321, 11.9821, 9.4838



10.9985, 11.9821, 9.5177



10.3953, 11.9821, 10.4272

Triad

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



10.9985, 11.9821, 9.5177



10.4330, 11.9821, 16.2032



12.8233, 11.9821, 14.0448

Complementary

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



10.9985, 11.9821, 9.5177



8.6628, 8.6847, 13.0242

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.



12.4432, 11.9821, 16.0712



10.9985, 11.9821, 9.5177



11.0519, 11.9821, 17.4054

Square

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



10.9985, 11.9821, 9.5177



10.0786, 11.9821, 14.2097



11.7879, 11.9821, 17.3547



12.8075, 11.9821, 11.9485

Rectangle

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



10.9985, 11.9821, 9.5177



10.1390, 11.9821, 11.4700



11.7879, 11.9821, 17.3547



12.7369, 11.9821, 14.7611

Sweetspot

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



10.9988, 11.9826, 9.5180



19.8942, 21.1507, 21.1633



9.6188, 9.1499, 9.2819



4.7192, 5.0220, 4.9852



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



10.9988, 11.9826, 9.5180



18.5546, 20.3676, 14.8709



10.2813, 11.7522, 9.5113



2.7519, 2.9470, 2.7679



11.8595, 13.7617, 2.0312



63.1415, 73.0890, 10.7797

Inverse Universe

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



8.6628, 8.6847, 13.0242



13.7125, 13.5318, 22.1391



9.2954, 8.8999, 13.0324



2.4606, 2.5359, 3.2050



3.0033, 1.3094, 15.4821



15.8313, 6.5688, 82.6381

Previews

White Background



This preview shows how the XYZ color 10.9985, 11.9821, 9.5177 looks on a white background.

Color Contrast Check

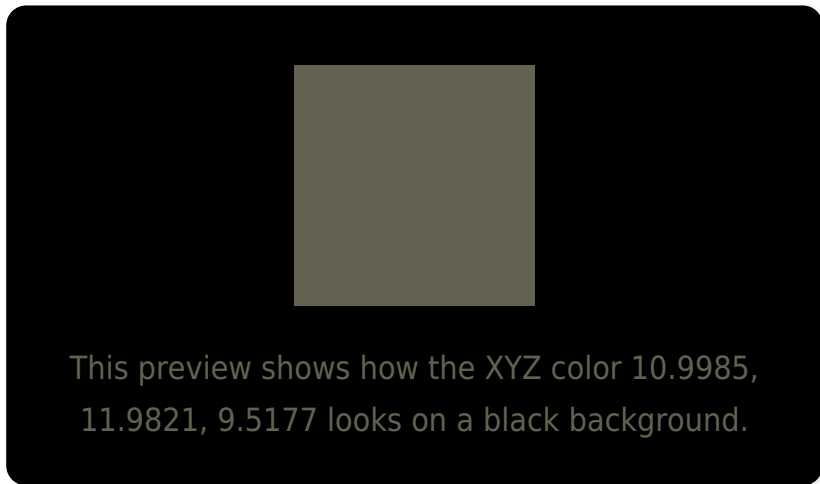
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

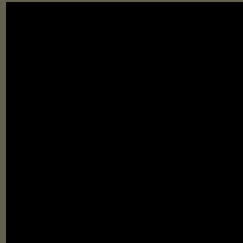
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

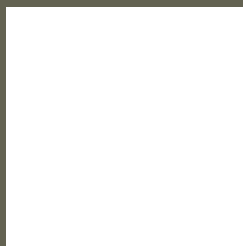
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9985, 11.9821, 9.5177

Background



This preview shows how black text looks on a background with the XYZ color 10.9985, 11.9821, 9.5177.



This preview shows how white text looks on a background with the XYZ color 10.9985, 11.9821,

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

10.9985, 11.9821, 9.5177

Protanopia

11.3162, 12.0121, 9.3116

Deuteranopia

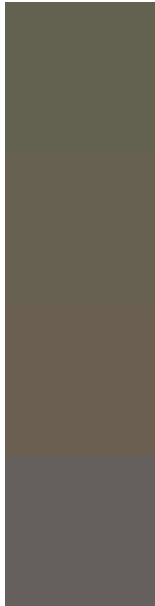
12.1194, 11.8826, 9.6375



Tritanopia

11.9700, 11.9685, 14.2496

Trichromacy



Original Color

10.9985, 11.9821, 9.5177

Protanomaly

11.2022, 11.9534, 9.3062

Deuteranomaly

11.6786, 11.9194, 9.6678

Tritanomaly

11.5701, 11.9406, 12.2846

Monochromacy



Original Color

10.9985, 11.9821, 9.5177

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.0928, 11.8461, 11.5994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9985, 11.9821, 9.5177 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(99, 98, 81)` looks like.

```
.text, #text, p{  
    color:rgb(99, 98, 81)  
}
```

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(99, 98, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 98, 81) }
```

Border

The CSS property to change the border of an element to XYZ 10.9985, 11.9821, 9.5177 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(99, 98, 81) }
```


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

```
.border{ border-color:rgb(99, 98, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 98, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 98, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 98, 81);  
box-shadow:4px 4px 4px 4px rgb(99, 98, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9985, 11.9821, 9.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 98, 81) }
```

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

```
.background{ background-color: rgb(99, 98,  
81) }
```

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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