

Converting Colors

XYZ(12.9561, 11.0116, 13.2510)

Have a look what the booklet for
XYZ(12.9561, 11.0116, 13.2510)
contains.

XYZ(12.9531, 11.0093, 13.2467)	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(12.9531, 11.0093,
13.2467)**

Conversions

Conversions Part 1

Format	Color
Hex	775363
RGB	119, 83, 99
RGB Percent	47%, 33%, 39%
CMY	0.5333, 0.6745, 0.6118
CMYK	0.00, 0.30, 0.17, 0.53
HSL	333°, 18%, 40%
HSV	333°, 30%, 47%
XYZ	12.9531, 11.0093, 13.2467
YIQ	95.5880, 16.3200, 12.6080

Conversions

Conversions Part 2

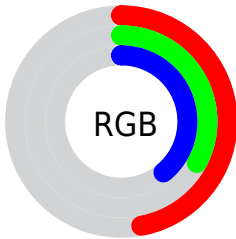
Format	Color
R_{YB}	119, 83, 99
Decimal	7820131
CIE Lab	39.60, 17.67, -3.25
CIE LCh	40, 17.962, 349.589
Yxy	11.0093, 0.3481, 0.2959
Android (android.graphics.Color)	4286010211 (0xFF775363)
YUV	95.5880, 1.6821, 20.5323
Hunter-Lab	33.1803, 11.6184, -0.4444

Details

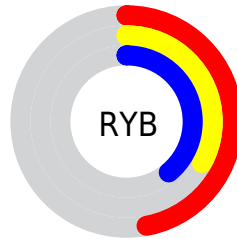
The XYZ color **12.9531, 11.0093, 13.2467** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6127, 16.0121, 15.2585**, and the grayscale version is **11.0121, 11.5856, 12.6167**.

A 20% lighter version of the original color is **30.9058, 27.7477, 32.5811**, and **3.8300, 2.8823, 3.7226** is the 20% darker color. If you saturate the color by 10%, you get **11.8164, 9.2211, 11.3717**, and if you desaturate by 10%, it is **14.2726, 13.1215, 15.3106**.

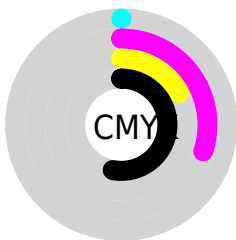
Distribution



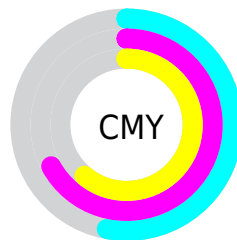
- Red (47%)
- Green (33%)
- Blue (39%)



- Red (47%)
- Yellow (33%)
- Blue (39%)



- Cyan (0%)
- Magenta (30%)
- Yellow (17%)
- Black (53%)



- Cyan (53%)
- Magenta (67%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9531, 11.0093, 13.2467 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 12.9531, 11.0093, 13.2467 by changing the saturation by 10% instead.

12.9531, 11.0093,
13.2467

12.9531, 11.0093,
13.2467

204.2605,
197.7313, 223.7558

7.4730, 6.0731,
7.4659

30.8215, 27.6774,
32.4439

3.8086, 2.8896,
3.6723

43.9406, 40.1780,
46.6975

1.5944, 1.0744,
1.4474

60.3367, 55.9689,
64.6124

0.3888, 0.0000,
0.1782

80.3753, 75.4345,
86.6071

0.0000, 0.0000,
0.0000

104.4216, 98.9591,
113.1003

132.8410,

126.9272, 144.5105

165.9988,
159.7232, 181.2561

■ 12.9531, 11.0093,
13.2467

■ 12.9531, 11.0093,
13.2467

■ 11.8164, 9.2211,
11.3717

■ 14.2726, 13.1215,
15.3106

■ 10.8530, 7.7391,
9.6790

■ 15.7821, 15.5712,
17.5683

■ 10.0538, 6.5462,
8.1625

■ 17.4892, 18.3730,
20.0255

■ 9.4086, 5.6230,
6.8157

■ 19.4011, 21.5403,
22.6871

■ 8.9059, 4.9476,
5.6311

■ 21.5246, 25.0856,
25.5582

■ 8.5325, 4.4946,
4.6008

■ 23.8661, 29.0209,
28.6434

■ 8.2477, 4.1779,
3.7260

■ 26.4317, 33.3578,
31.9474

■ 29.2273, 38.1071,
35.4746

■ 32.2586, 43.2796,
39.2293

Harmonies

Analogous

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



12.3598, 11.0093, 16.9080



12.9531, 11.0093, 13.2467



12.8411, 11.0093, 9.8669

Triad

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



12.9531, 11.0093, 13.2467



9.6948, 11.0093, 6.6933



9.0116, 11.0093, 17.8853

Complementary

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



12.9531, 11.0093, 13.2467



12.6127, 16.0121, 15.2585

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.



8.4000, 11.0093, 14.3916



12.9531, 11.0093, 13.2467



8.7727, 11.0093, 8.1279

Square

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



12.9531, 11.0093, 13.2467



10.8950, 11.0093, 6.5058



8.3161, 11.0093, 10.8103



10.0445, 11.0093, 19.9118

Rectangle

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



12.9531, 11.0093, 13.2467



12.3841, 11.0093, 8.1852



8.3161, 11.0093, 10.8103



8.7534, 11.0093, 16.8151

Sweetspot

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



12.9534, 11.0098, 13.2469



28.5569, 28.3665, 31.8926



11.9940, 10.3907, 18.8262



6.6844, 6.5866, 7.4363



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.9534, 11.0098, 13.2469



21.8036, 17.5181, 21.4466



12.4022, 11.0125, 9.6562



3.7453, 3.7254, 4.1855



8.7580, 4.4369, 3.9338



42.2610, 21.4545, 16.9696

Inverse Universe

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



12.9534, 11.0098, 13.2469



21.8036, 17.5181, 21.4466



13.2820, 15.9403, 19.8295



3.7453, 3.7254, 4.1855



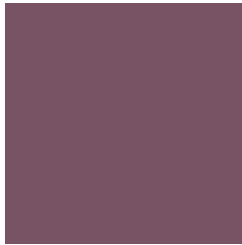
8.7580, 4.4369, 3.9338



42.2610, 21.4545, 16.9696

Previews

White Background



This preview shows how the XYZ color 12.9531, 11.0093, 13.2467 looks on a white background.

Color Contrast Check

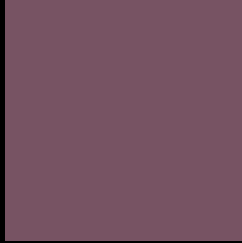
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.9531, 11.0093, 13.2467 looks on a 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 12.9531, 11.0093, 13.2467

Background



This preview shows how black text looks on a background with the XYZ color 12.9531, 11.0093, 13.2467.



This preview shows how white text looks on a background with the XYZ color 12.9531, 11.0093,

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

12.9531, 11.0093, 13.2467

Protanopia

10.8778, 11.1239, 14.9384

Deuteranopia

11.3125, 11.1307, 13.1075



Tritanopia

12.5299, 10.9475, 11.3502

Trichromacy



Original Color

12.9531, 11.0093, 13.2467

Protanomaly

11.5000, 10.9488, 14.3392

Deuteranomaly

11.8787, 11.0494, 13.0620

Tritanomaly

12.6619, 11.0004, 12.0456

Monochromacy



Original Color

12.9531, 11.0093, 13.2467

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.6077, 11.2883, 12.8763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9531, 11.0093, 13.2467 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(119, 83, 99)` looks like.

```
.text, #text, p{  
    color:rgb(119, 83, 99)  
}
```

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(119, 83, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 83, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.9531, 11.0093, 13.2467 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(119, 83, 99) }
```


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

```
.border{ border-color:rgb(119, 83, 99) }
```

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

Here you see how a box with a 4 pixel rgb(119, 83, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 83, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 83, 99);  
box-shadow:4px 4px 4px 4px rgb(119, 83,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9531, 11.0093, 13.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 83, 99) }
```

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

```
.background{ background-color: rgb(119, 83,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor