

Converting Colors

XYZ(13.5308, 12.5502, 9.4819)

Have a look what the booklet for
XYZ(13.5308, 12.5502, 9.4819)
contains.

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Color

**XYZ(13.5679, 12.6337,
9.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5D51
RGB	123, 93, 81
RGB Percent	48%, 36%, 32%
CMY	0.5176, 0.6353, 0.6824
CMYK	0.00, 0.24, 0.34, 0.52
HSL	17°, 21%, 40%
HSV	17°, 34%, 48%
XYZ	13.5679, 12.6337, 9.5080
YIQ	100.6020, 21.7320, 2.6280

Conversions

Conversions Part 2

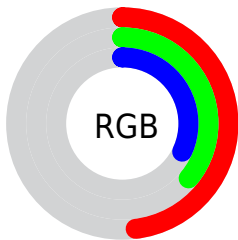
Format	Color
R_{YB}	123, 98, 81
Decimal	8084817
CIE _{Lab}	42.21, 10.43, 11.62
CIE _{LCh}	42, 15.615, 48.114
Yxy	12.6337, 0.3800, 0.3538
Android (android.graphics.Color)	4286274897 (0xFF7B5D51)
YUV	100.6020, -9.6638, 19.6430
Hunter-Lab	35.5439, 5.9355, 9.0207

Details

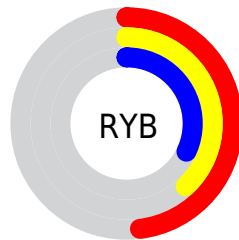
The XYZ color **13.5679, 12.6337, 9.5080** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6527, 14.5478, 20.8800**, and the grayscale version is **12.2875, 12.9274, 14.0780**.

A 20% lighter version of the original color is **31.7562, 30.4867, 25.3299**, and **4.0826, 3.5769, 2.1443** is the 20% darker color. If you saturate the color by 10%, you get **12.4206, 11.0115, 7.0524**, and if you desaturate by 10%, it is **14.8881, 14.4677, 12.4338**.

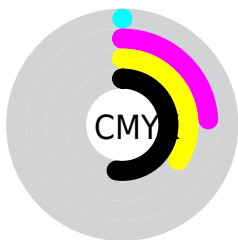
Distribution



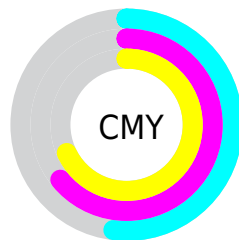
- Red (48%)
- Green (36%)
- Blue (32%)



- Red (48%)
- Yellow (38%)
- Blue (32%)



- Cyan (0%)
- Magenta (24%)
- Yellow (34%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5679, 12.6337, 9.5080 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 13.5679, 12.6337, 9.5080 by changing the saturation by 10% instead.

■ 13.5679, 12.6337,
9.5080

■ 13.5679, 12.6337,
9.5080

208.0908,
208.5566, 197.4791

■ 7.9004, 7.1768,
4.9727

■ 31.9131, 30.6441,
25.4591

■ 4.0826, 3.5729,
2.1728

■ 45.3214, 43.9664,
37.7119

■ 1.7490, 1.4376,
0.6586

■ 62.0409, 60.6793,
53.3743

■ 0.4866, 0.2442,
0.0000

■ 82.4367, 81.1672,
72.8649

■ 0.0000, 0.0000,
0.0000

■ 106.8742,
105.8145, 96.6021

135.7188,

135.0056, 125.0045

169.3359,
169.1248, 158.4907

■ 13.5679, 12.6337,
9.5080

■ 13.5679, 12.6337,
9.5080

■ 12.4206, 11.0115,
7.0524

■ 14.8881, 14.4677,
12.4338

■ 11.4376, 9.5915,
5.0415

■ 16.3871, 16.5192,
15.8519

■ 10.6112, 8.3662,
3.4484

■ 18.0720, 18.7956,
19.7840

■ 9.9326, 7.3265,
2.2430

■ 19.9489, 21.3037,
24.2504

■ 9.3918, 6.4629,
1.3912

■ 22.0240, 24.0498,
29.2700

■ 8.9765, 5.7642,
0.8463

■ 24.3027, 27.0401,
34.8610

■ 8.7738, 5.4219,
0.5841

■ 26.7907, 30.2805,
41.0407

■ 29.4931, 33.7767,
47.8257

■ 32.4150, 37.5342,
55.2318

Harmonies

Analogous

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



14.2674, 12.6337, 11.8546



13.5679, 12.6337, 9.5080



12.4757, 12.6337, 8.3807

Triad

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



13.5679, 12.6337, 9.5080



9.9449, 12.6337, 12.4754



12.7186, 12.6337, 20.8057

Complementary

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



13.5679, 12.6337, 9.5080



12.6527, 14.5478, 20.8800

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.



11.5521, 12.6337, 21.0445



13.5679, 12.6337, 9.5080



10.0006, 12.6337, 15.8505

Square

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



13.5679, 12.6337, 9.5080



10.4150, 12.6337, 9.8989



10.5724, 12.6337, 19.1114



13.7556, 12.6337, 18.5037

Rectangle

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



13.5679, 12.6337, 9.5080



11.6943, 12.6337, 8.3281



10.5724, 12.6337, 19.1114



12.3272, 12.6337, 21.1421

Sweetspot

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



13.5682, 12.6343, 9.5083



30.4817, 31.1229, 31.0214



13.9856, 11.2458, 16.5014



7.0979, 7.2202, 7.1176



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.5682, 12.6343, 9.5083



22.6563, 20.3091, 13.5009



15.6597, 16.8172, 10.2054



4.0830, 4.1844, 4.2170



9.0722, 5.6004, 0.6028



42.6348, 25.4330, 2.6620

Inverse Universe

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



12.6527, 14.5478, 20.8800



20.7463, 24.2767, 37.1490



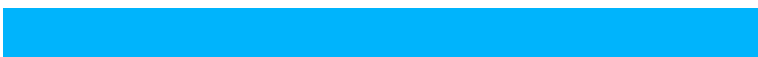
10.6332, 10.5087, 20.2068



4.0149, 4.3281, 5.0670



7.2910, 8.6645, 20.6734



34.0251, 39.8229, 98.3631

Previews

White Background



This preview shows how the XYZ color 13.5679, 12.6337, 9.5080 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 13.5679, 12.6337, 9.5080 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 13.5679, 12.6337, 9.5080

Background



This preview shows how black text looks on a background with the XYZ color 13.5679, 12.6337, 9.5080.



This preview shows how white text looks on a background with the XYZ color 13.5679, 12.6337,

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

13.5679, 12.6337, 9.5080

Protanopia

11.9831, 12.7577, 10.2184

Deuteranopia

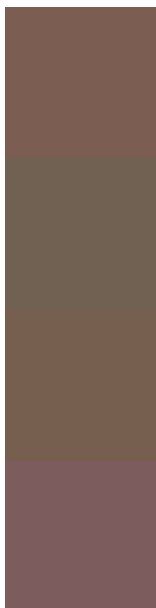
12.8333, 12.6579, 9.3563



Tritanopia

14.4031, 12.7240, 13.2521

Trichromacy



Original Color

13.5679, 12.6337, 9.5080

Protanomaly

12.5181, 12.6187, 9.9595

Deuteranomaly

13.1479, 12.6855, 9.3450

Tritanomaly

14.0711, 12.7121, 11.8373

Monochromacy



Original Color

13.5679, 12.6337, 9.5080

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6947, 12.7947, 12.3902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5679, 12.6337, 9.5080 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(123, 93, 81)` looks like.

```
.text, #text, p{  
    color:rgb(123, 93, 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(123, 93, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 93, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.5679, 12.6337, 9.5080 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(123, 93, 81) }
```


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

```
.border{ border-color:rgb(123, 93, 81) }
```

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

Here you see how a box with a 4 pixel rgb(123, 93, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 93, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 93, 81);  
box-shadow:4px 4px 4px 4px rgb(123, 93,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5679, 12.6337, 9.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 93, 81) }
```

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

```
.background{ background-color: rgb(123, 93,  
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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