

Converting Colors

XYZ(12.8645, 10.3474, 9.1507)

Have a look what the booklet for
XYZ(12.8645, 10.3474, 9.1507)
contains.

XYZ(12.8915, 10.4139, 9.1152)	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(12.8915, 10.4139,
9.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4D51
RGB	127, 77, 81
RGB Percent	50%, 30%, 32%
CMY	0.5020, 0.6980, 0.6824
CMYK	0.00, 0.39, 0.36, 0.50
HSL	355°, 25%, 40%
HSV	355°, 39%, 50%
XYZ	12.8915, 10.4139, 9.1152
YIQ	92.4060, 28.5160, 11.8440

Conversions

Conversions Part 2

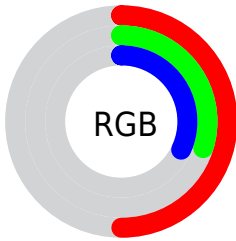
Format	Color
RYB	127, 77, 81
Decimal	8342865
CIELab	38.58, 21.66, 6.60
CIELCh	39, 22.643, 16.957
Yxy	10.4139, 0.3976, 0.3212
Android (android.graphics.Color)	4286532945 (0xFF7F4D51)
YUV	92.4060, -5.6232, 30.3389
Hunter-Lab	32.2706, 14.8340, 5.8423

Details

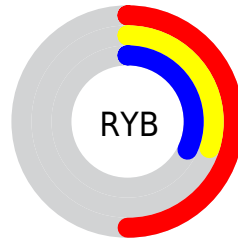
The XYZ color **12.8915, 10.4139, 9.1152** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.2256, 18.1868, 21.5006**, and the grayscale version is **10.2747, 10.8098, 11.7719**.

A 20% lighter version of the original color is **30.6747, 26.6142, 24.6394**, and **3.8044, 2.6500, 2.0613** is the 20% darker color. If you saturate the color by 10%, you get **11.6870, 8.6468, 6.7348**, and if you desaturate by 10%, it is **14.3455, 12.5592, 11.9511**.

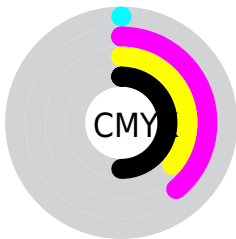
Distribution



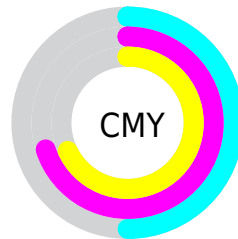
- Red (50%)
- Green (30%)
- Blue (32%)



- Red (50%)
- Yellow (30%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (36%)
- Black (50%)



- Cyan (50%)
- Magenta (70%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8915, 10.4139, 9.1152 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 12.8915, 10.4139, 9.1152 by changing the saturation by 10% instead.

■ 12.8915, 10.4139,
9.1152

■ 12.8915, 10.4139,
9.1152

203.8728,
193.6012, 194.4846

■ 7.4304, 5.6742,
4.7186

■ 30.7117, 26.5711,
24.6987

■ 3.7814, 2.6480,
2.0273

■ 43.8015, 38.7575,
36.7226

■ 1.5792, 0.9509,
0.5720

■ 60.1648, 54.1949,
52.1260

■ 0.3788, 0.0000,
0.0000

■ 80.1671, 73.2678,
71.3275

■ 0.0000, 0.0000,
0.0000

■ 104.1737, 96.3604,
94.7455

132.5499,

123.8572, 122.7987

165.6612,
156.1427, 155.9055

■ 12.8915, 10.4139,
9.1152

■ 12.8915, 10.4139,
9.1152

■ 11.6870, 8.6468,
6.7348

■ 14.3455, 12.5592,
11.9511

■ 10.7172, 7.2345,
4.7855

■ 16.0611, 15.1014,
15.2638

■ 9.9669, 6.1536,
3.2417


■ 18.0506, 18.0594,
19.0742


■ 9.4189, 5.3769,
2.0746


■ 20.3252, 21.4509,
23.4015


■ 9.0533, 4.8731,
1.2520


■ 22.8956, 25.2923,
28.2641


 8.8209, 4.5534,
0.7273

 25.7718, 29.5992,
33.6795

 8.8080, 4.5343,
0.7025

 28.9636, 34.3865,
39.6643

 32.4800, 39.6684,
46.2344

 36.3299, 45.4584,
53.4051

Harmonies

Analogous

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



12.9519, 10.4139, 13.2885



12.8915, 10.4139, 9.1152



11.9799, 10.4139, 6.3469

Triad

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



12.8915, 10.4139, 9.1152



7.9527, 10.4139, 6.6192



9.2670, 10.4139, 21.3291

Complementary

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



12.8915, 10.4139, 9.1152



14.2256, 18.1868, 21.5006

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.



8.0726, 10.4139, 18.4352



12.8915, 10.4139, 9.1152



7.3666, 10.4139, 9.5901

Square

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



12.8915, 10.4139, 9.1152



9.0877, 10.4139, 5.1731



7.4081, 10.4139, 13.8978



10.7553, 10.4139, 21.1093

Rectangle

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



12.8915, 10.4139, 9.1152



11.0596, 10.4139, 5.3512



7.4081, 10.4139, 13.8978



8.8209, 10.4139, 20.6627

Sweetspot

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



12.8918, 10.4144, 9.1154



31.2327, 30.7154, 32.0718



14.6295, 11.0393, 21.4384



7.2238, 7.0595, 7.3394



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.



12.8918, 10.4144, 9.1154



21.1745, 15.8439, 12.5495



14.4444, 13.7525, 8.9151



4.3407, 4.3494, 4.5984



8.8829, 4.5729, 0.7072



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8918, 10.4144, 9.1154



21.1745, 15.8439, 12.5495



12.0630, 13.4530, 22.0396



4.3407, 4.3494, 4.5984



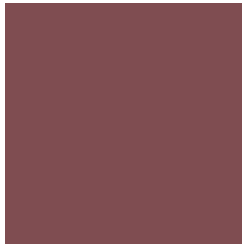
8.8829, 4.5729, 0.7072



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8915, 10.4139, 9.1152 looks on a white background.

Color Contrast Check

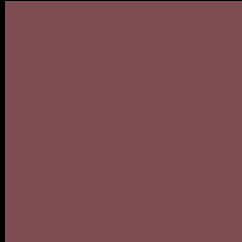
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8915, 10.4139, 9.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

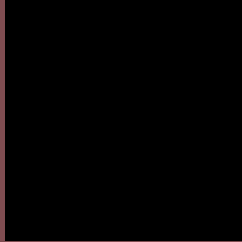
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8915, 10.4139, 9.1152

Background



This preview shows how black text looks on a background with the XYZ color 12.8915, 10.4139, 9.1152.



This preview shows how white text looks on a background with the XYZ color 12.8915, 10.4139,

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

12.8915, 10.4139, 9.1152

Protanopia

10.1186, 10.5664, 10.7387

Deuteranopia

10.6099, 10.4870, 8.8621



Tritanopia

12.9293, 10.4290, 9.3142

Trichromacy



Original Color

12.8915, 10.4139, 9.1152

Protanomaly

10.9113, 10.3756, 10.0219

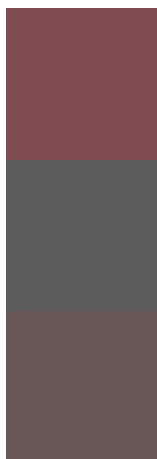
Deuteranomaly

11.3004, 10.3646, 8.9944

Tritanomaly

12.9293, 10.4290, 9.3142

Monochromacy



Original Color

12.8915, 10.4139, 9.1152

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.9953, 10.5242, 10.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8915, 10.4139, 9.1152 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(127, 77, 81)` looks like.

```
.text, #text, p{  
    color:rgb(127, 77, 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(127, 77, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 77, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.8915, 10.4139, 9.1152 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(127, 77, 81) }
```


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

```
.border{ border-color:rgb(127, 77, 81) }
```

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

Here you see how a box with a 4 pixel rgb(127, 77, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 77, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 77, 81);  
box-shadow:4px 4px 4px 4px rgb(127, 77,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8915, 10.4139, 9.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 77, 81) }
```

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

```
.background{ background-color: rgb(127, 77,  
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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