

Converting Colors

XYZ(13.8559, 13.1305, 9.6932)

Have a look what the booklet for
XYZ(13.8559, 13.1305, 9.6932)
contains.

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Color

**XYZ(13.8742, 13.1859,
9.7965)**

Conversions

Conversions Part 1

Format	Color
Hex	7B6052
RGB	123, 96, 82
RGB Percent	48%, 38%, 32%
CMY	0.5176, 0.6235, 0.6784
CMYK	0.00, 0.22, 0.33, 0.52
HSL	20°, 20%, 40%
HSV	20°, 33%, 48%
XYZ	13.8742, 13.1859, 9.7965
YIQ	102.4770, 20.5860, 1.3700

Conversions

Conversions Part 2

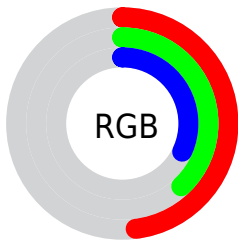
Format	Color
R_{YB}	123, 103, 82
Decimal	8085586
CIE Lab	43.04, 8.77, 12.18
CIE LCh	43, 15.009, 54.228
Yxy	13.1859, 0.3764, 0.3578
Android (android.graphics.Color)	4286275666 (0xFF7B6052)
YUV	102.4770, -10.0952, 17.9987
Hunter-Lab	36.3124, 4.6544, 9.4232

Details

The XYZ color **13.8742, 13.1859, 9.7965** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.5232, 14.1605, 20.8120**, and the grayscale version is **12.7765, 13.4418, 14.6382**.

A 20% lighter version of the original color is **32.4349, 31.7362, 25.8889**, and **4.2222, 3.8312, 2.2672** is the 20% darker color. If you saturate the color by 10%, you get **12.7463, 11.6131, 7.3147**, and if you desaturate by 10%, it is **15.1629, 14.9458, 12.7462**.

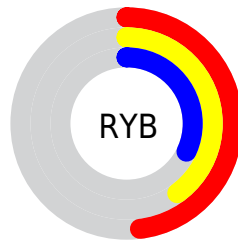
Distribution



Red (48%)

Green (38%)

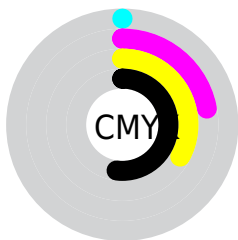
Blue (32%)



Red (48%)

Yellow (40%)

Blue (32%)

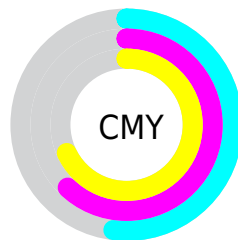


Cyan (0%)

Magenta (22%)

Yellow (33%)

Black (52%)



Cyan (52%)


Magenta (62%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8742, 13.1859, 9.7965 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 13.8742, 13.1859, 9.7965 by changing the saturation by 10% instead.


 13.8742, 13.1859,
9.7965


 13.8742, 13.1859,
9.7965

209.9731,
212.1057, 199.6452


 8.1143, 7.5567,
5.1604


 32.4538, 31.6374,
26.0138

 4.2206, 3.8126,
2.2813

 46.0042, 45.2284,
38.4321

 1.8277, 1.5693,
0.7207

 62.8822, 62.2421,
54.2816

 0.5343, 0.3368,
0.0000

 83.4531, 83.0630,
73.9808

 0.0000, 0.0000,
0.0000

 108.0823,
108.0754, 97.9482

137.1351,

137.6637, 126.6024

170.9770,
172.2123, 160.3618

■ 13.8742, 13.1859,
9.7965

■ 13.8742, 13.1859,
9.7965

■ 12.7463, 11.6131,
7.3147

■ 15.1629, 14.9458,
12.7462

■ 11.7713, 10.2192,
5.2756

■ 16.6176, 16.8970,
16.1856

■ 10.9424, 8.9980,
3.6529

■ 18.2448, 19.0458,
20.1361

■ 10.2514, 7.9423,
2.4170

■ 20.0501, 21.3979,
24.6175

■ 9.6896, 7.0442,
1.5344

■ 22.0388, 23.9584,
29.6487

■ 9.2462, 6.2948,
0.9632

■ 24.2162, 26.7326,
35.2476

■ 8.9966, 5.8675,
0.6584

■ 26.5873, 29.7252,
41.4311

■ 29.1566, 32.9410,
48.2158

■ 31.9290, 36.3847,
55.6172

Harmonies

Analogous

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



14.6656, 13.1859, 11.9056



13.8742, 13.1859, 9.7965



12.7571, 13.1859, 8.9204

Triad

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



13.8742, 13.1859, 9.7965



10.4536, 13.1859, 13.7280



13.4650, 13.1859, 20.9619

Complementary

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



13.8742, 13.1859, 9.7965



12.5232, 14.1605, 20.8120

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.



12.3111, 13.1859, 21.6477



13.8742, 13.1859, 9.7965



10.6175, 13.1859, 17.1242

Square

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



13.8742, 13.1859, 9.7965



10.8184, 13.1859, 10.9557



11.2808, 13.1859, 20.1507



14.4194, 13.1859, 18.3986

Rectangle

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



13.8742, 13.1859, 9.7965



11.9957, 13.1859, 9.0394



11.2808, 13.1859, 20.1507



13.0858, 13.1859, 21.4346

Sweetspot

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



13.8745, 13.1865, 9.7968



30.6242, 31.4079, 31.0689



13.9640, 11.3569, 16.0184



7.1349, 7.2942, 7.1300



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.



13.8745, 13.1865, 9.7968



23.2751, 21.4289, 14.0702



15.9560, 17.3494, 10.4906



4.0999, 4.2182, 4.2226



9.3023, 6.0605, 0.6795



43.6536, 27.4706, 3.0016

Inverse Universe

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



12.5232, 14.1605, 20.8120



20.4568, 23.4481, 37.0044



10.6134, 10.3411, 20.1754



3.9973, 4.2928, 5.0611



6.7365, 7.5555, 20.4886



31.3199, 34.4124, 97.4613

Previews

White Background



This preview shows how the XYZ color 13.8742, 13.1859, 9.7965 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 13.8742, 13.1859, 9.7965 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 13.8742, 13.1859, 9.7965

Background



This preview shows how black text looks on a background with the XYZ color 13.8742, 13.1859, 9.7965.



This preview shows how white text looks on a background with the XYZ color 13.8742, 13.1859,

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

13.8742, 13.1859, 9.7965

Protanopia

12.5754, 13.3468, 10.5077

Deuteranopia

13.4984, 13.2665, 9.8319



Tritanopia

14.7208, 13.1283, 14.0701

Trichromacy



Original Color

13.8742, 13.1859, 9.7965

Protanomaly

12.9675, 13.2651, 10.2645

Deuteranomaly

13.5434, 13.1517, 9.8074

Tritanomaly

14.3353, 13.0986, 12.3624

Monochromacy



Original Color

13.8742, 13.1859, 9.7965

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0531, 13.2556, 12.6971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8742, 13.1859, 9.7965 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, 96, 82)` looks like.

```
.text, #text, p{  
    color:rgb(123, 96, 82)  
}
```

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, 96, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 96, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.8742, 13.1859, 9.7965 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, 96, 82) }
```


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

```
.border{ border-color:rgb(123, 96, 82) }
```

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

Here you see how a box with a 4 pixel rgb(123, 96, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 96, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 96, 82);  
box-shadow:4px 4px 4px 4px rgb(123, 96,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8742, 13.1859, 9.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 96, 82) }
```

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

```
.background{ background-color: rgb(123, 96,  
82) }
```

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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