

Converting Colors

XYZ(13.2027, 11.0165, 7.8135)

Have a look what the booklet for
XYZ(13.2027, 11.0165, 7.8135)
contains.

XYZ(13.1983, 11.0330, 7.7373)	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(13.1983, 11.0330,
7.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	815149
RGB	129, 81, 73
RGB Percent	51%, 32%, 29%
CMY	0.4941, 0.6823, 0.7137
CMYK	0.00, 0.37, 0.43, 0.49
HSL	9°, 28%, 40%
HSV	9°, 43%, 51%
XYZ	13.1983, 11.0330, 7.7373
YIQ	94.4400, 31.1760, 7.6880

Conversions

Conversions Part 2

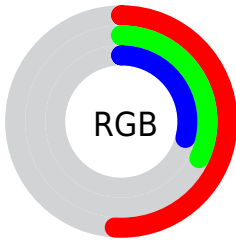
Format	Color
R_{YB}	129, 82, 73
Decimal	8474953
CIE _{Lab}	39.64, 19.11, 13.08
CIE _{LCh}	40, 23.159, 34.401
Yxy	11.0330, 0.4129, 0.3451
Android (android.graphics.Color)	4286665033 (0xFF815149)
YUV	94.4400, -10.5699, 30.3091
Hunter-Lab	33.2160, 12.7987, 9.4402

Details

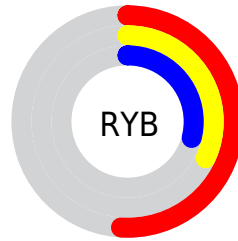
The XYZ color **13.1983, 11.0330, 7.7373** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.5472, 16.6756, 23.2736**, and the grayscale version is **10.7630, 11.3235, 12.3313**.

A 20% lighter version of the original color is **31.3963, 27.8281, 22.1289**, and **3.8834, 2.8686, 1.5114** is the 20% darker color. If you saturate the color by 10%, you get **12.0584, 9.3681, 5.4616**, and if you desaturate by 10%, it is **14.5613, 13.0021, 10.5253**.

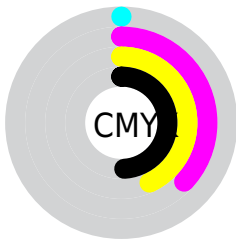
Distribution



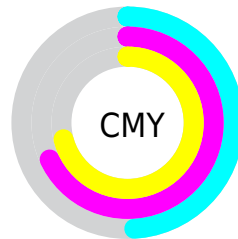
- Red (51%)
- Green (32%)
- Blue (29%)



- Red (51%)
- Yellow (32%)
- Blue (29%)



- Cyan (0%)
- Magenta (37%)
- Yellow (43%)
- Black (49%)





- Cyan (49%)
- Magenta (68%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1983, 11.0330, 7.7373 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 13.1983, 11.0330, 7.7373 by changing the saturation by 10% instead.


 13.1983, 11.0330,
7.7373


 13.1983, 11.0330,
7.7373


205.7967,
197.8938, 183.5137


 7.6432, 6.0890,
3.8420


 31.2579, 27.7212,
21.9794

 3.9174, 2.8993,
1.5391

 44.4930, 40.2342,
33.1633


 1.6555, 1.0794,
0.2468

 61.0189, 56.0390,
47.6137

 0.4282, 0.0000,
0.0000

 81.2009, 75.5200,
65.7493

 0.0000, 0.0000,
0.0000

 105.4043, 99.0616,
87.9886

133.9945,

127.0481, 114.7500

167.3368,
159.8641, 146.4522

■ 13.1983, 11.0330,
7.7373

■ 13.1983, 11.0330,
7.7373

■ 12.0584, 9.3681,
5.4616

■ 14.5613, 13.0021,
10.5253

■ 11.1288, 7.9907,
3.6664

■ 16.1577, 15.2879,
13.8538

■ 10.3965, 6.8847,
2.3171

■ 17.9981, 17.9040,
17.7493

■ 9.8470, 6.0321,
1.3744

■ 20.0922, 20.8630,
22.2366

■ 9.4631, 5.4122,
0.7900

■ 22.4492, 24.1767,
27.3391

■ 9.2767, 5.1140,
0.4982

■ 25.0777, 27.8562,
33.0787

■ 27.9862, 31.9124,
39.4765

■ 31.1825, 36.3555,
46.5524

■ 34.6744, 41.1954,
54.3255

Harmonies

Analogous

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



13.8167, 11.0330, 11.3577



13.1983, 11.0330, 7.7373



11.8547, 11.0330, 5.7508

Triad

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



13.1983, 11.0330, 7.7373



7.9784, 11.0330, 8.6322



10.7214, 11.0330, 22.9440

Complementary

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



13.1983, 11.0330, 7.7373



13.5472, 16.6756, 23.2736

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.



9.2279, 11.0330, 21.6922



13.1983, 11.0330, 7.7373



7.7397, 11.0330, 12.6932

Square

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



13.1983, 11.0330, 7.7373



8.8620, 11.0330, 6.1691



8.1742, 11.0330, 17.6299



12.2983, 11.0330, 20.7172

Rectangle

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



13.1983, 11.0330, 7.7373



10.7857, 11.0330, 5.2677



8.1742, 11.0330, 17.6299



10.1929, 11.0330, 22.9196

Sweetspot

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



13.1986, 11.0335, 7.7375



32.2678, 32.1148, 31.8642



14.9199, 10.8259, 19.5644



7.1539, 7.0567, 6.8936



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.



13.1986, 11.0335, 7.7375



21.6294, 16.8284, 9.8504



15.6679, 15.9721, 8.5606



4.3736, 4.4358, 4.5458



9.0470, 4.9903, 0.4864



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5472, 16.6756, 23.2736



22.3246, 28.2859, 41.4756



10.6715, 10.9242, 22.3151



4.3957, 4.7854, 5.5053



9.3620, 12.5424, 22.1775



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1983, 11.0330, 7.7373 looks on a white background.

Color Contrast Check

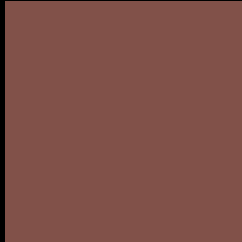
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1983, 11.0330, 7.7373 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 13.1983, 11.0330, 7.7373

Background



This preview shows how black text looks on a background with the XYZ color 13.1983, 11.0330, 7.7373.



This preview shows how white text looks on a background with the XYZ color 13.1983, 11.0330,

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

13.1983, 11.0330, 7.7373

Protanopia

10.5596, 11.2226, 9.0068

Deuteranopia

11.2239, 11.0823, 7.5088



Tritanopia

13.6416, 10.9937, 9.9973

Trichromacy



Original Color

13.1983, 11.0330, 7.7373

Protanomaly

11.3423, 10.9956, 8.5457

Deuteranomaly

11.9140, 11.0662, 7.6389

Tritanomaly

13.5598, 11.0772, 9.2080

Monochromacy



Original Color

13.1983, 11.0330, 7.7373

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3155, 10.9424, 10.3198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1983, 11.0330, 7.7373 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(129, 81, 73)` looks like.

```
.text, #text, p{  
    color:rgb(129, 81, 73)  
}
```

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(129, 81, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 81, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.1983, 11.0330, 7.7373 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(129, 81, 73) }
```


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

```
.border{ border-color:rgb(129, 81, 73) }
```

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

Here you see how a box with a 4 pixel rgb(129, 81, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 81, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 81, 73);  
box-shadow:4px 4px 4px 4px rgb(129, 81,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1983, 11.0330, 7.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 81, 73) }
```

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

```
.background{ background-color: rgb(129, 81,  
73) }
```

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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