

Converting Colors

XYZ(13.8312, 14.0958, 5.9979)

Have a look what the booklet for
XYZ(13.8312, 14.0958, 5.9979)
contains.

XYZ(13.8273, 14.0933, 5.9945)	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(13.8273, 14.0933,
5.9945)**

Conversions

Conversions Part 1

Format	Color
Hex	7C663A
RGB	124, 102, 58
RGB Percent	49%, 40%, 23%
CMY	0.5137, 0.6000, 0.7725
CMYK	0.00, 0.18, 0.53, 0.51
HSL	40°, 36%, 36%
HSV	40°, 53%, 49%
XYZ	13.8273, 14.0933, 5.9945
YIQ	103.5620, 27.2360, -9.0200

Conversions

Conversions Part 2

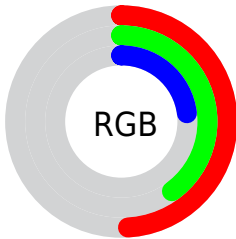
Format	Color
RYB	91, 124, 58
Decimal	8152634
CIELab	44.37, 2.77, 28.00
CIElCh	44, 28.132, 84.354
Yxy	14.0933, 0.4077, 0.4155
Android (android.graphics.Color)	4286342714 (0xFF7C663A)
YUV	103.5620, -22.4621, 17.9241
Hunter-Lab	37.5410, 0.0492, 16.8114

Details

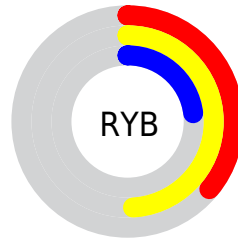
The XYZ color **13.8273, 14.0933, 5.9945** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.2516, 8.0919, 20.1958**, and the grayscale version is **13.0944, 13.7763, 15.0024**.

A 20% lighter version of the original color is **32.3528, 33.2881, 18.3557**, and **4.1865, 4.1779, 0.9665** is the 20% darker color. If you saturate the color by 10%, you get **13.1531, 13.1903, 4.3965**, and if you desaturate by 10%, it is **14.5985, 15.0685, 8.0001**.

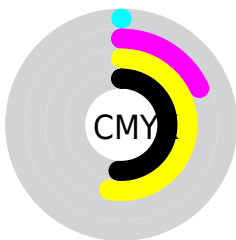
Distribution



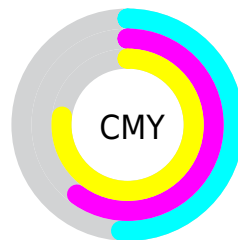
- Red (49%)
- Green (40%)
- Blue (23%)



- Red (36%)
- Yellow (49%)
- Blue (23%)



- Cyan (0%)
- Magenta (18%)
- Yellow (53%)
- Black (51%)



- Cyan (51%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8273, 14.0933, 5.9945 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 13.8273, 14.0933, 5.9945 by changing the saturation by 10% instead.

■ 13.8273, 14.0933,
5.9945

■ 13.8273, 14.0933,
5.9945

209.6860,
217.8105, 168.3265

■ 8.0815, 8.1856,
2.7730

■ 32.3711, 33.2545,
18.3969

■ 4.1994, 4.2139,
0.9799

■ 45.8999, 47.2767,
28.4150

■ 1.8156, 1.7939,
0.0000

■ 62.7537, 64.7726,
41.5356

■ 0.5270, 0.4834,
0.0000

■ 83.2979, 86.1266,
58.1773

■ 0.0000, 0.0000,
0.0000

■ 107.8979,
111.7229, 78.7588

■ 136.9190,

141.9461, 103.6984

170.7266,
177.1805, 133.4148

■ 13.8273, 14.0933,
5.9945

■ 13.8273, 14.0933,
5.9945

■ 13.1531, 13.1903,
4.3965

■ 14.5985, 15.0685,
8.0001

■ 12.5689, 12.3548,
3.1759

■ 15.4709, 16.1165,
10.4389

■ 12.0686, 11.5843,
2.2998

■ 16.4497, 17.2404,
13.3353

■ 11.6440, 10.8751,
1.7266

■ 17.5394, 18.4425,
16.7117

■ 11.3804, 10.4215,
1.4117

■ 18.7442, 19.7247,
20.5891

■ 20.0682, 21.0892,
24.9870

■ 21.5150, 22.5379,
29.9242

■ 23.0884, 24.0726,
35.4181

■ 24.7917, 25.6952,
41.4859

Harmonies

Analogous

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



16.0902, 14.0933, 7.2919



13.8273, 14.0933, 5.9945



11.6823, 14.0933, 6.5715

Triad

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



13.8273, 14.0933, 5.9945



9.8141, 14.0933, 21.0696



17.2453, 14.0933, 23.7992

Complementary

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



13.8273, 14.0933, 5.9945



8.2516, 8.0919, 20.1958

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.



15.2680, 14.0933, 29.7018



13.8273, 14.0933, 5.9945



11.0194, 14.0933, 27.8406

Square

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



13.8273, 14.0933, 5.9945



9.5200, 14.0933, 14.1532



12.9723, 14.0933, 31.3575



18.2009, 14.0933, 16.6023

Rectangle

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



13.8273, 14.0933, 5.9945



10.5817, 14.0933, 8.0566



12.9723, 14.0933, 31.3575



16.6680, 14.0933, 26.0730

Sweetspot

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



13.8276, 14.0940, 5.9948



30.2386, 31.7719, 27.4406



11.2733, 7.8905, 8.5185



7.0455, 7.3991, 6.2259



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.



13.8276, 14.0940, 5.9948



22.8968, 22.8642, 7.1873



14.7815, 18.2316, 6.7431



4.2005, 4.4195, 4.2561



11.5668, 10.5895, 1.4343



54.3680, 48.8995, 6.5730

Inverse Universe

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



8.2516, 8.0919, 20.1958



11.9735, 11.1274, 35.0733



7.6055, 5.7467, 19.7772



3.8967, 4.0917, 5.0276



4.5139, 3.1102, 19.7477



20.8233, 13.4192, 93.9624

Previews

White Background



This preview shows how the XYZ color 13.8273, 14.0933, 5.9945 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 13.8273, 14.0933, 5.9945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

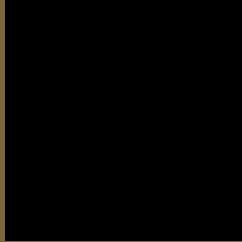
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8273, 14.0933, 5.9945

Background



This preview shows how black text looks on a background with the XYZ color 13.8273, 14.0933, 5.9945.



This preview shows how white text looks on a background with the XYZ color 13.8273, 14.0933,

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

13.8273, 14.0933, 5.9945

Protanopia

12.9112, 14.0638, 6.1718

Deuteranopia

14.2230, 14.0090, 5.9574



Tritanopia

15.6755, 14.1381, 14.9994

Trichromacy



Original Color

13.8273, 14.0933, 5.9945

Protanomaly

13.2109, 14.0679, 6.1568

Deuteranomaly

14.1698, 14.1249, 5.9825

Tritanomaly

14.9345, 14.1238, 10.9559

Monochromacy



Original Color

13.8273, 14.0933, 5.9945

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1261, 13.7681, 10.9825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8273, 14.0933, 5.9945 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(124, 102, 58)` looks like.

```
.text, #text, p{  
    color:rgb(124, 102, 58)  
}
```

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(124, 102, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 102, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.8273, 14.0933, 5.9945 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(124, 102, 58) }
```


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

```
.border{ border-color:rgb(124, 102, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 102, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 102, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 102, 58);  
box-shadow:4px 4px 4px 4px rgb(124, 102,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8273, 14.0933, 5.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 102, 58) }
```

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

```
.background{ background-color: rgb(124,  
102, 58) }
```

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