

Converting Colors

XYZ(13.9047, 14.0086, 5.0170)

Have a look what the booklet for
XYZ(13.9047, 14.0086, 5.0170)
contains.

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Color

**XYZ(13.8336, 13.9733,
4.9856)**

Conversions

Conversions Part 1

Format	Color
Hex	7E6532
RGB	126, 101, 50
RGB Percent	49%, 40%, 20%
CMY	0.5059, 0.6039, 0.8039
CMYK	0.00, 0.20, 0.60, 0.51
HSL	40°, 43%, 35%
HSV	40°, 60%, 49%
XYZ	13.8336, 13.9733, 4.9856
YIQ	102.6610, 31.2710, -10.5610

Conversions

Conversions Part 2

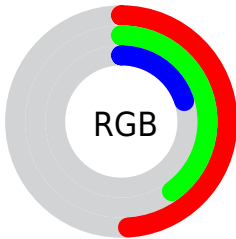
Format	Color
R_{YB}	87, 126, 50
Decimal	8283442
CIE _{Lab}	44.19, 3.55, 32.23
CIE _{LCh}	44, 32.428, 83.718
Yxy	13.9733, 0.4219, 0.4261
Android (android.graphics.Color)	4286473522 (0xFF7E6532)
YUV	102.6610, -25.9619, 20.4683
Hunter-Lab	37.3809, 0.6412, 18.2589

Details

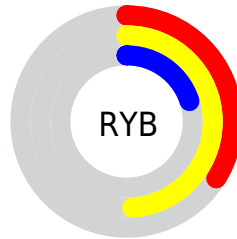
The XYZ color **13.8336, 13.9733, 4.9856** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5972, 7.2163, 20.7310**, and the grayscale version is **12.8635, 13.5334, 14.7378**.

A 20% lighter version of the original color is **32.4889, 33.1621, 16.2438**, and **4.2067, 4.1948, 0.6741** is the 20% darker color. If you saturate the color by 10%, you get **13.2061, 13.0952, 3.6151**, and if you desaturate by 10%, it is **14.5569, 14.9233, 6.7577**.

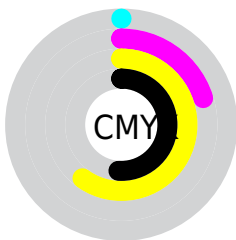
Distribution



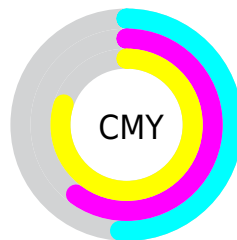
- Red (49%)
- Green (40%)
- Blue (20%)



- Red (34%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (51%)





- Cyan (51%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8336, 13.9733, 4.9856 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 13.8336, 13.9733, 4.9856 by changing the saturation by 10% instead.


 13.8336, 13.9733,
4.9856


 13.8336, 13.9733,
4.9856


209.7246,
217.0647, 158.6205


 8.0859, 8.1021,
2.1802


 32.3822, 33.0416,
16.2257


 4.2023, 4.1603,
0.6629

 45.9139, 47.0076,
25.4974


 1.8172, 1.7637,
0.0000

 62.7710, 64.4405,
37.7618

 0.5280, 0.4644,
0.0000

 83.3188, 85.7249,
53.4372

 0.0000, 0.0000,
0.0000

 107.9227,
111.2451, 72.9422

 136.9481,

141.3856, 96.6954

170.7602,
176.5306, 125.1153

■ 13.8336, 13.9733,
4.9856

■ 13.8336, 13.9733,
4.9856

■ 13.2061, 13.0952,
3.6151

■ 14.5569, 14.9233,
6.7577

■ 12.6669, 12.2838,
2.6119

■ 15.3809, 15.9460,
8.9600

■ 12.2085, 11.5362,
1.9376

■ 16.3113, 17.0447,
11.6197

■ 11.8180, 10.8632,
1.4739

■ 17.3530, 18.2217,
14.7612

■ 18.5106, 19.4794,
18.4074

■ 19.7884, 20.8198,
22.5796

■ 21.1905, 22.2451,
27.2980

■ 22.7207, 23.7571,
32.5816

■ 24.3827, 25.3578,
38.4485

Harmonies

Analogous

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



16.4513, 13.9733, 6.3707



13.8336, 13.9733, 4.9856



11.3772, 13.9733, 5.5366

Triad

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



13.8336, 13.9733, 4.9856



9.2239, 13.9733, 21.7021



17.7134, 13.9733, 25.3106

Complementary

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



13.8336, 13.9733, 4.9856



7.5972, 7.2163, 20.7310

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.



15.3866, 13.9733, 32.3627



13.8336, 13.9733, 4.9856



10.5470, 13.9733, 29.8496

Square

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



13.8336, 13.9733, 4.9856



8.9209, 13.9733, 13.7067



12.7437, 13.9733, 34.2489



18.8714, 13.9733, 16.8291

Rectangle

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



13.8336, 13.9733, 4.9856



10.1284, 13.9733, 7.0595



12.7437, 13.9733, 34.2489



17.0285, 13.9733, 28.0250

Sweetspot

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



13.8339, 13.9740, 4.9859



30.9156, 32.4830, 27.1304



11.0263, 7.2295, 7.5310



6.9239, 7.2692, 5.8363



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.



13.8339, 13.9740, 4.9859



22.9095, 22.5567, 5.6999



14.8896, 18.6848, 5.8395



4.5499, 4.7884, 4.6046



12.1202, 11.1368, 1.5108



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.5972, 7.2163, 20.7310



10.9389, 9.6194, 36.0245



6.9353, 4.8335, 20.3060



4.2154, 4.4249, 5.4452



4.6891, 3.1967, 20.6198



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8336, 13.9733, 4.9856 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 13.8336, 13.9733, 4.9856 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 13.8336, 13.9733, 4.9856

Background



This preview shows how black text looks on a background with the XYZ color 13.8336, 13.9733, 4.9856.



This preview shows how white text looks on a background with the XYZ color 13.8336, 13.9733,

4.9856.

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

13.8336, 13.9733, 4.9856

Protanopia

12.8516, 14.0552, 5.1675

Deuteranopia

14.1862, 14.0118, 4.9745



Tritanopia

15.7463, 13.9095, 14.6868

Trichromacy



Original Color

13.8336, 13.9733, 4.9856

Protanomaly

13.2936, 14.1327, 5.1592

Deuteranomaly

14.0350, 13.9338, 4.9674

Tritanomaly

14.9282, 13.8566, 10.2753

Monochromacy



Original Color

13.8336, 13.9733, 4.9856

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9071, 13.5223, 10.3173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8336, 13.9733, 4.9856 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(126, 101, 50)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 50)  
}
```

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(126, 101, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 50) }
```

Border

The CSS property to change the border of an element to XYZ 13.8336, 13.9733, 4.9856 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(126, 101, 50) }
```


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

```
.border{ border-color:rgb(126, 101, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 101, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 101, 50); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 101, 50); box-shadow:4px 4px 4px 4px rgb(126, 101, 50) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8336, 13.9733, 4.9856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 50) }
```

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

```
.background{ background-color: rgb(126,  
101, 50) }
```

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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