

Converting Colors

XYZ(12.9483, 13.8167, 9.2349)

Have a look what the booklet for
XYZ(12.9483, 13.8167, 9.2349)
contains.

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Color

**XYZ(13.0076, 13.8954,
9.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	70684E
RGB	112, 104, 78
RGB Percent	44%, 41%, 31%
CMY	0.5608, 0.5921, 0.6941
CMYK	0.00, 0.07, 0.30, 0.56
HSL	46°, 18%, 37%
HSV	46°, 30%, 44%
XYZ	13.0076, 13.8954, 9.2042
YIQ	103.4280, 13.1140, -6.3900

Conversions

Conversions Part 2

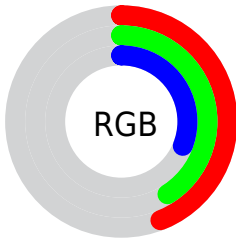
Format	Color
R_{YB}	88, 112, 78
Decimal	7366734
CIE Lab	44.08, -1.31, 15.82
CIE LCh	44, 15.870, 94.739
Yxy	13.8954, 0.3602, 0.3848
Android (android.graphics.Color)	4285556814 (0xFF70684E)
YUV	103.4280, -12.5360, 7.5176
Hunter-Lab	37.2765, -2.9466, 11.4539

Details

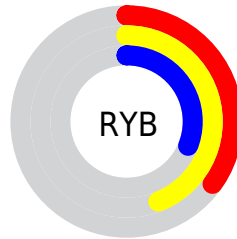
The XYZ color **13.0076, 13.8954, 9.2042** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3943, 9.4450, 16.6574**, and the grayscale version is **13.0357, 13.7146, 14.9352**.

A 20% lighter version of the original color is **30.8620, 32.8675, 24.7961**, and **3.8520, 4.1260, 2.0322** is the 20% darker color. If you saturate the color by 10%, you get **12.3788, 13.2266, 7.1795**, and if you desaturate by 10%, it is **13.7138, 14.6094, 11.5926**.

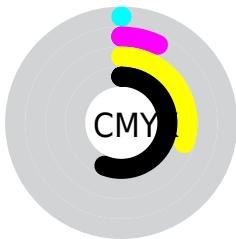
Distribution



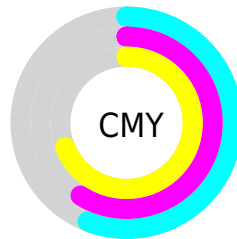
- Red (44%)
- Green (41%)
- Blue (31%)



- Red (35%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (30%)
- Black (56%)



- Cyan (56%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0076, 13.8954, 9.2042 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 13.0076, 13.8954, 9.2042 by changing the saturation by 10% instead.

■ 13.0076, 13.8954,
9.2042

■ 13.0076, 13.8954,
9.2042

204.6030,
216.5791, 195.1678

■ 7.5108, 8.0480,
4.7760

■ 30.9186, 32.9033,
24.8715

■ 3.8327, 4.1256,
2.0600

■ 44.0636, 46.8326,
36.9477

■ 1.6079, 1.7441,
0.5918

■ 60.4887, 64.2246,
52.4102

■ 0.3976, 0.4520,
0.0000

■ 80.5592, 85.4637,
71.6777

■ 0.0000, 0.0000,
0.0000

■ 104.6405,
110.9343, 95.1687

133.0980,

141.0208, 123.3016

166.2971,
176.1076, 156.4952

■ 13.0076, 13.8954,
9.2042

■ 13.0076, 13.8954,
9.2042

■ 12.3788, 13.2266,
7.1795

■ 13.7138, 14.6094,
11.5926

■ 11.8229, 12.5996,
5.4992

■ 14.4996, 15.3681,
14.3607

■ 11.3363, 12.0134,
4.1439

■ 15.3686, 16.1736,
17.5248

■ 10.9147, 11.4661,
3.0915

■ 16.3235, 17.0271,
21.0999

■ 10.5535, 10.9557,
2.3175

■ 17.3672, 17.9298,
25.1002

■ 10.2471, 10.4799,
1.7933

■ 18.5023, 18.8829,
29.5391

■ 9.9824, 10.0452,
1.4128

■ 19.7314, 19.8875,
34.4297

■ 21.0568, 20.9447,
39.7844

■ 22.4809, 22.0556,
45.6150

Harmonies

Analogous

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



14.2706, 13.8954, 9.6723



13.0076, 13.8954, 9.2042



11.8714, 13.8954, 10.1048

Triad

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



13.0076, 13.8954, 9.2042



11.3108, 13.8954, 19.4480



15.5268, 13.8954, 18.2953

Complementary

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



13.0076, 13.8954, 9.2042



9.3943, 9.4450, 16.6574

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.



14.6396, 13.8954, 21.5933



13.0076, 13.8954, 9.2042



12.1979, 13.8954, 22.3297

Square

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



13.0076, 13.8954, 9.2042



10.9323, 13.8954, 15.7115



13.4088, 13.8954, 23.1712



15.7776, 13.8954, 14.5625

Rectangle

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



13.0076, 13.8954, 9.2042



11.3222, 13.8954, 11.4600



13.4088, 13.8954, 23.1712



15.2905, 13.8954, 19.5095

Sweetspot

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



13.0080, 13.8960, 9.2045



25.6357, 27.1521, 25.8160



11.1066, 9.5737, 10.1728



6.1178, 6.4845, 6.0550



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.0080, 13.8960, 9.2045



22.1088, 23.6285, 13.7570



12.8206, 15.0519, 9.4375



3.5786, 3.7897, 3.6162



11.5224, 11.5772, 1.6273



56.7140, 56.3032, 7.8784

Inverse Universe

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



9.3943, 9.4450, 16.6574



14.7401, 14.5547, 28.9622



9.5332, 8.6211, 16.4911



3.2755, 3.4162, 4.2410



3.8009, 2.1922, 17.9444



18.3651, 9.7820, 89.1993

Previews

White Background



This preview shows how the XYZ color 13.0076, 13.8954, 9.2042 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 13.0076, 13.8954, 9.2042 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

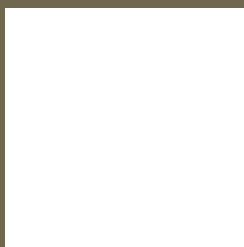
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0076, 13.8954, 9.2042

Background



This preview shows how black text looks on a background with the XYZ color 13.0076, 13.8954, 9.2042.



This preview shows how white text looks on a background with the XYZ color 13.0076, 13.8954,

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

13.0076, 13.8954, 9.2042

Protanopia

13.0076, 13.8954, 9.2042

Deuteranopia

14.1368, 13.8898, 9.3330



Tritanopia

14.4664, 13.9101, 16.1098

Trichromacy



Original Color

13.0076, 13.8954, 9.2042

Protanomaly

13.0076, 13.8954, 9.2042

Deuteranomaly

13.6727, 13.7938, 9.3390

Tritanomaly

13.8816, 13.8153, 13.2442

Monochromacy



Original Color

13.0076, 13.8954, 9.2042

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8145, 13.5728, 12.5341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0076, 13.8954, 9.2042 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(112, 104, 78)` looks like.

```
.text, #text, p{  
    color:rgb(112, 104, 78)  
}
```

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(112, 104, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 104, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.0076, 13.8954, 9.2042 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(112, 104, 78) }
```


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

```
.border{ border-color:rgb(112, 104, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 104, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 104, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 104, 78);  
box-shadow:4px 4px 4px 4px rgb(112, 104,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0076, 13.8954, 9.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 104, 78) }
```

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

```
.background{ background-color: rgb(112,  
104, 78) }
```

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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