

Converting Colors

XYZ(12.9333, 13.5133, 9.4432)

Have a look what the booklet for
XYZ(12.9333, 13.5133, 9.4432)
contains.

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Color

**XYZ(13.0094, 13.5926,
9.5274)**

Conversions

Conversions Part 1

Format	Color
Hex	716650
RGB	113, 102, 80
RGB Percent	44%, 40%, 31%
CMY	0.5569, 0.6000, 0.6863
CMYK	0.00, 0.10, 0.29, 0.56
HSL	40°, 17%, 38%
HSV	40°, 29%, 44%
XYZ	13.0094, 13.5926, 9.5274
YIQ	102.7810, 13.6180, -4.5100

Conversions

Conversions Part 2

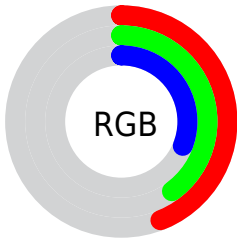
Format	Color
RYB	97, 113, 80
Decimal	7431760
CIELab	43.64, 0.60, 14.04
CIELCh	44, 14.054, 87.570
Yxy	13.5926, 0.3601, 0.3762
Android (android.graphics.Color)	4285621840 (0xFF716650)
YUV	102.7810, -11.2310, 8.9621
Hunter-Lab	36.8681, -1.5332, 10.4861

Details

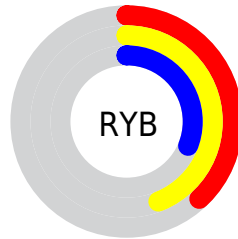
The XYZ color **13.0094, 13.5926, 9.5274** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0300, 10.3797, 17.0978**, and the grayscale version is **12.8607, 13.5305, 14.7347**.

A 20% lighter version of the original color is **30.8707, 32.3668, 25.3892**, and **3.7839, 3.9437, 2.1519** is the 20% darker color. If you saturate the color by 10%, you get **12.2649, 12.7164, 7.3898**, and if you desaturate by 10%, it is **13.8417, 14.5317, 12.0411**.

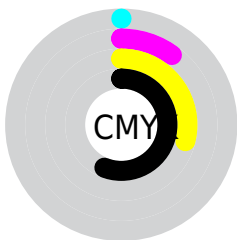
Distribution



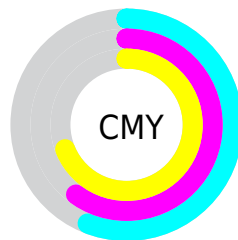
- Red (44%)
- Green (40%)
- Blue (31%)



- Red (38%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (56%)



- Cyan (56%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0094, 13.5926, 9.5274 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 13.0094, 13.5926, 9.5274 by changing the saturation by 10% instead.

■ 13.0094, 13.5926,
9.5274

■ 13.0094, 13.5926,
9.5274

204.6143,
214.6814, 197.6256

■ 7.5121, 7.8379,
4.9853

■ 30.9218, 32.3644,
25.4965

■ 3.8335, 3.9914,
2.1800

■ 44.0677, 46.1502,
37.7605

■ 1.6084, 1.6687,
0.6628

■ 60.4937, 63.3819,
53.4356

■ 0.3979, 0.4033,
0.0000

■ 80.5653, 84.4438,
72.9403

■ 0.0000, 0.0000,
0.0000

■ 104.6477,
109.7203, 96.6931

133.1065,

139.5958, 125.1125

166.3069,
174.4547, 158.6172

■ 13.0094, 13.5926,
9.5274

■ 13.0094, 13.5926,
9.5274

■ 12.2649, 12.7164,
7.3898

■ 13.8417, 14.5317,
12.0411

■ 11.6034, 11.8996,
5.6088

■ 14.7642, 15.5337,
14.9474

■ 11.0211, 11.1406,
4.1647

■ 15.7805, 16.6008,
18.2627

■ 10.5138, 10.4374,
3.0351

■ 16.8937, 17.7347,
22.0022

■ 10.0763, 9.7876,
2.1953

■ 18.1068, 18.9367,
26.1806

■ 9.7031, 9.1886,
1.6165

■ 19.4226, 20.2084,
30.8115

■ 9.3748, 8.6323,
1.1980

■ 20.8437, 21.5511,
35.9082

■ 9.3494, 8.5892,
1.1651

■ 22.3728, 22.9662,
41.4833

■ 24.0124, 24.4550,
47.5491

Harmonies

Analogous

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



14.0893, 13.5926, 10.2462



13.0094, 13.5926, 9.5274



11.9633, 13.5926, 10.0462

Triad

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



13.0094, 13.5926, 9.5274



11.1306, 13.5926, 17.7900



14.7916, 13.5926, 18.2986

Complementary

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



13.0094, 13.5926, 9.5274



10.0300, 10.3797, 17.0978

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.



13.9251, 13.5926, 20.8573



13.0094, 13.5926, 9.5274



11.8161, 13.5926, 20.5355

Square

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



13.0094, 13.5926, 9.5274



10.9159, 13.5926, 14.5442



12.8297, 13.5926, 21.7284



15.1541, 13.5926, 15.0588

Rectangle

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



13.0094, 13.5926, 9.5274



11.4177, 13.5926, 11.0718



12.8297, 13.5926, 21.7284



14.5473, 13.5926, 19.2834

Sweetspot

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



13.0098, 13.5932, 9.5277



26.4312, 27.8088, 26.7448



11.5672, 10.0036, 11.2189



6.0666, 6.3820, 6.0379



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.



13.0098, 13.5932, 9.5277



22.3813, 23.2719, 14.4112



13.4769, 15.5465, 9.8801



3.5528, 3.7380, 3.6076



10.5868, 9.7061, 1.3155



51.9212, 46.7177, 6.2809

Inverse Universe

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



10.0300, 10.3797, 17.0978



16.1238, 16.5258, 30.3155



9.6414, 8.8846, 16.8297



3.3000, 3.4653, 4.2492



4.1379, 2.8661, 18.0567



19.8927, 12.8373, 89.7085

Previews

White Background



This preview shows how the XYZ color 13.0094, 13.5926, 9.5274 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 13.0094, 13.5926, 9.5274 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 13.0094, 13.5926, 9.5274

Background



This preview shows how black text looks on a background with the XYZ color 13.0094, 13.5926, 9.5274.



This preview shows how white text looks on a background with the XYZ color 13.0094, 13.5926,

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

13.0094, 13.5926, 9.5274

Protanopia

12.7286, 13.5947, 9.5426

Deuteranopia

13.8322, 13.5827, 9.6773



Tritanopia

14.1717, 13.4890, 15.4924

Trichromacy



Original Color

13.0094, 13.5926, 9.5274

Protanomaly

12.8538, 13.6592, 9.5484

Deuteranomaly

13.5136, 13.5600, 9.6897

Tritanomaly

13.6897, 13.4316, 13.1803

Monochromacy



Original Color

13.0094, 13.5926, 9.5274

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9792, 13.6525, 12.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0094, 13.5926, 9.5274 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(113, 102, 80)` looks like.

```
.text, #text, p{  
    color:rgb(113, 102, 80)  
}
```

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(113, 102, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 102, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.0094, 13.5926, 9.5274 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(113, 102, 80) }
```


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

```
.border{ border-color:rgb(113, 102, 80) }
```

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

Here you see how a box with a 4 pixel rgb(113, 102, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 102, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 102, 80);  
box-shadow:4px 4px 4px 4px rgb(113, 102,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0094, 13.5926, 9.5274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 102, 80) }
```

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

```
.background{ background-color: rgb(113,  
102, 80) }
```

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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