

Converting Colors

XYZ(12.4667, 12.4258, 9.6651)

Have a look what the booklet for
XYZ(12.4667, 12.4258, 9.6651)
contains.

XYZ(12.5159, 12.4856, 9.7330)	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(12.5159, 12.4856,
9.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	716052
RGB	113, 96, 82
RGB Percent	44%, 38%, 32%
CMY	0.5569, 0.6235, 0.6784
CMYK	0.00, 0.15, 0.27, 0.56
HSL	27°, 16%, 38%
HSV	27°, 27%, 44%
XYZ	12.5159, 12.4856, 9.7330
YIQ	99.4870, 14.6260, -0.7500

Conversions

Conversions Part 2

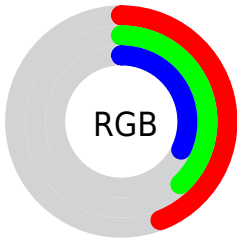
Format	Color
R_{YB}	113, 108, 82
Decimal	7430226
CIE _{Lab}	41.98, 4.47, 10.54
CIE _{LCh}	42, 11.447, 66.997
Yxy	12.4856, 0.3603, 0.3595
Android (android.graphics.Color)	4285620306 (0xFF716052)
YUV	99.4870, -8.6211, 11.8509
Hunter-Lab	35.3350, 1.3898, 8.4031

Details

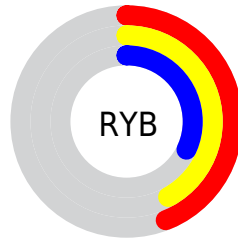
The XYZ color **12.5159, 12.4856, 9.7330** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9221, 11.9096, 17.3460**, and the grayscale version is **12.0015, 12.6265, 13.7503**.

A 20% lighter version of the original color is **29.8927, 30.1958, 25.7256**, and **3.5889, 3.5048, 2.2376** is the 20% darker color. If you saturate the color by 10%, you get **11.5777, 11.2416, 7.4707**, and if you desaturate by 10%, it is **13.5702, 13.8482, 12.3837**.

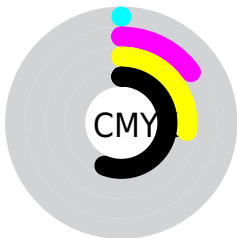
Distribution



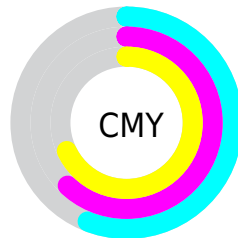
- Red (44%)
- Green (38%)
- Blue (32%)



- Red (44%)
- Yellow (42%)
- Blue (32%)



- Cyan (0%)
- Magenta (15%)
- Yellow (27%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5159, 12.4856, 9.7330 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 12.5159, 12.4856, 9.7330 by changing the saturation by 10% instead.

■ 12.5159, 12.4856,
9.7330

■ 12.5159, 12.4856,
9.7330

201.4923,
207.5941, 199.1708

■ 7.1707, 7.0753,
5.1190

■ 30.0401, 30.3765,
25.8920

■ 3.6164, 3.5092,
2.2573

■ 42.9498, 43.6259,
38.2741

■ 1.4875, 1.4030,
0.7071

■ 59.1117, 60.2571,
54.0826

■ 0.3173, 0.2189,
0.0000

■ 78.8913, 80.6545,
73.7361

■ 0.0000, 0.0000,
0.0000

■ 102.6537,
105.2025, 97.6531

130.7645,

134.2855, 126.2522

163.5889,
168.2879, 159.9519

■ 12.5159, 12.4856,
9.7330

■ 12.5159, 12.4856,
9.7330

■ 11.5777, 11.2416,
7.4707

■ 13.5702, 13.8482,
12.3837

■ 10.7501, 10.1110,
5.5775

■ 14.7437, 15.3311,
15.4395

■ 10.0286, 9.0909,
4.0334

■ 16.0409, 16.9377,
18.9167

■ 9.4080, 8.1774,
2.8165

■ 17.4655, 18.6713,
22.8309

■ 8.8826, 7.3663,
1.9020

■ 19.0211, 20.5346,
27.1965

■ 8.4458, 6.6531,
1.2617

■ 20.7112, 22.5305,
32.0275

■ 8.0823, 6.0297,
0.8212

■ 22.5391, 24.6616,
37.3373

■ 7.9956, 5.8818,
0.7139

■ 24.5080, 26.9305,
43.1385

■ 26.6210, 29.3399,
49.4435

Harmonies

Analogous

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



13.2178, 12.4856, 10.9735



12.5159, 12.4856, 9.7330



11.6696, 12.4856, 9.4661

Triad

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



12.5159, 12.4856, 9.7330



10.3211, 12.4856, 14.1716



12.8758, 12.4856, 17.6762

Complementary

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



12.5159, 12.4856, 9.7330



10.9221, 11.9096, 17.3460

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.



12.0670, 12.4856, 18.7770



12.5159, 12.4856, 9.7330



10.6119, 12.4856, 16.6033

Square

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



12.5159, 12.4856, 9.7330



10.4285, 12.4856, 11.8501



11.2413, 12.4856, 18.3627



13.4324, 12.4856, 15.5026

Rectangle

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



12.5159, 12.4856, 9.7330



11.1422, 12.4856, 9.8435



11.2413, 12.4856, 18.3627



12.6230, 12.4856, 18.1950

Sweetspot

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



12.5162, 12.4862, 9.7333



26.2292, 27.2376, 27.1929



12.0820, 10.4473, 13.1968



6.0036, 6.2210, 6.1248



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.



12.5162, 12.4862, 9.7333



21.3054, 20.8975, 14.7384



14.0668, 15.5873, 10.2501



3.4970, 3.6266, 3.5890



9.0503, 6.6331, 0.8033



44.2449, 31.3650, 3.7221

Inverse Universe

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



10.9221, 11.9096, 17.3460



17.9355, 19.6775, 30.8283



9.5960, 9.2573, 16.9039



3.3550, 3.5753, 4.2675



5.3128, 5.2158, 18.4483



25.5944, 24.2407, 91.6091

Previews

White Background



This preview shows how the XYZ color 12.5159, 12.4856, 9.7330 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 12.5159, 12.4856, 9.7330 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 12.5159, 12.4856, 9.7330

Background



This preview shows how black text looks on a background with the XYZ color 12.5159, 12.4856, 9.7330.

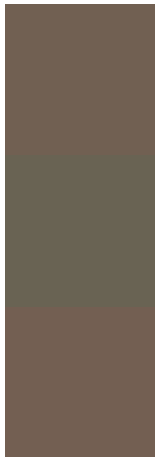


This preview shows how white text looks on a background with the XYZ color 12.5159, 12.4856, 9.7330.

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

12.5159, 12.4856, 9.7330

Protanopia

11.8489, 12.5515, 9.9818

Deuteranopia

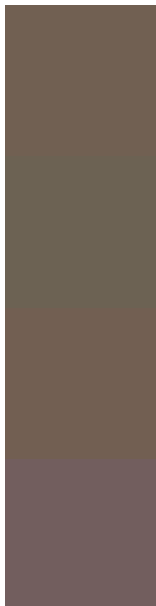
12.6854, 12.4385, 9.7149



Tritanopia

13.3335, 12.4131, 14.0051

Trichromacy



Original Color

12.5159, 12.4856, 9.7330

Protanomaly

12.1134, 12.5480, 9.9672

Deuteranomaly

12.5546, 12.3710, 9.7088

Tritanomaly

12.9625, 12.3910, 12.2982

Monochromacy



Original Color

12.5159, 12.4856, 9.7330

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0524, 12.4687, 12.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5159, 12.4856, 9.7330 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, 96, 82)` looks like.

```
.text, #text, p{  
    color:rgb(113, 96, 82)  
}
```

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, 96, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 96, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.5159, 12.4856, 9.7330 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, 96, 82) }
```


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

```
.border{ border-color:rgb(113, 96, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 96, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 96, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 96, 82);  
box-shadow:4px 4px 4px 4px rgb(113, 96,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5159, 12.4856, 9.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 96, 82) }
```

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

```
.background{ background-color: rgb(113, 96,  
82) }
```

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