

Converting Colors

XYZ(12.6406, 14.9943, 9.3287)

Have a look what the booklet for
XYZ(12.6406, 14.9943, 9.3287)
contains.

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Color

**XYZ(12.6132, 14.9489,
9.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	66704D
RGB	102, 112, 77
RGB Percent	40%, 44%, 30%
CMY	0.6000, 0.5608, 0.6980
CMYK	0.09, 0.00, 0.31, 0.56
HSL	77°, 19%, 37%
HSV	77°, 31%, 44%
XYZ	12.6132, 14.9489, 9.2418
YIQ	105.0200, 5.2750, -13.0050

Conversions

Conversions Part 2

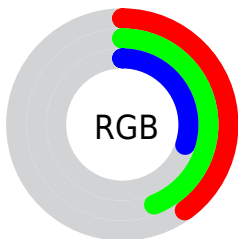
Format	Color
RYB	77, 112, 87
Decimal	6713421
CIELab	45.56, -10.33, 18.25
CIElCh	46, 20.970, 119.506
Yxy	14.9489, 0.3427, 0.4062
Android (android.graphics.Color)	4284903501 (0xFF66704D)
YUV	105.0200, -13.8139, -2.6485
Hunter-Lab	38.6638, -9.4300, 12.8926

Details

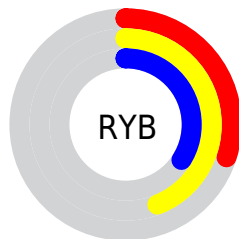
The XYZ color **12.6132, 14.9489, 9.2418** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.5095, 8.5042, 16.4703**, and the grayscale version is **13.4682, 14.1696, 15.4307**.

A 20% lighter version of the original color is **30.1782, 34.8296, 24.8709**, and **3.6154, 4.5553, 2.0552** is the 20% darker color. If you saturate the color by 10%, you get **11.8957, 14.6213, 7.3187**, and if you desaturate by 10%, it is **13.4136, 15.3123, 11.5249**.

Distribution



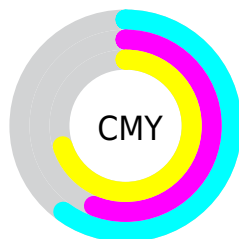
- Red (40%)
- Green (44%)
- Blue (30%)



- Red (30%)
- Yellow (44%)
- Blue (34%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6132, 14.9489, 9.2418 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 12.6132, 14.9489, 9.2418 by changing the saturation by 10% instead.

■ 12.6132, 14.9489,
9.2418

■ 12.6132, 14.9489,
9.2418

202.1117,
223.0567, 195.4556

■ 7.2379, 8.7835,
4.8003

■ 30.2144, 34.7635,
24.9444

■ 3.6590, 4.6003,
2.0739

■ 43.1710, 49.1815,
37.0426

■ 1.5111, 2.0147,
0.6002

■ 59.3853, 67.1192,
52.5300

■ 0.3333, 0.6160,
0.0000

■ 79.2229, 88.9610,
71.8253

■ 0.0000, 0.0000,
0.0000

■ 103.0489,
115.0913, 95.3470

131.2289,

145.8944, 123.5136

164.1280,
181.7547, 156.7436

■ 12.6132, 14.9489,
9.2418

■ 12.6132, 14.9489,
9.2418

■ 11.8957, 14.6213,
7.3187

■ 13.4136, 15.3123,
11.5249

■ 11.2563, 14.3260,
5.7364

■ 14.2992, 15.7109,
14.1841

■ 10.6914, 14.0622,
4.4750

■ 15.2734, 16.1466,
17.2358

■ 10.1967, 13.8279,
3.5124

■ 16.3394, 16.6207,
20.6951

■ 9.7673, 13.6214,
2.8238

■ 17.5000, 17.1343,
24.5761

■ 9.3975, 13.4401,
2.3803

■ 18.7578, 17.6885,
28.8924

■ 9.1024, 13.2942,
2.0863

■ 20.1156, 18.2844,
33.6571

■ 21.5758, 18.9230,
38.8825

■ 23.1407, 19.6052,
44.5806

Harmonies

Analogous

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



14.2375, 14.9489, 8.4104



12.6132, 14.9489, 9.2418



11.4991, 14.9489, 11.8558

Triad

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



12.6132, 14.9489, 9.2418



12.5668, 14.9489, 26.0849



17.8500, 14.9489, 16.3601

Complementary

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



12.6132, 14.9489, 9.2418



9.5095, 8.5042, 16.4703

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.



17.3132, 14.9489, 21.6794



12.6132, 14.9489, 9.2418



14.1795, 14.9489, 27.9547

Square

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



12.6132, 14.9489, 9.2418



11.4739, 14.9489, 21.5054



15.9329, 14.9489, 26.1990



17.3463, 14.9489, 11.9728

Rectangle

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



12.6132, 14.9489, 9.2418



11.1471, 14.9489, 14.5822



15.9329, 14.9489, 26.1990



17.7846, 14.9489, 18.0978

Sweetspot

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



12.6136, 14.9496, 9.2421



25.4510, 27.7477, 25.9407



11.4236, 10.7839, 8.5008



6.0680, 6.6454, 6.0887



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.



12.6136, 14.9496, 9.2421



21.1689, 25.8097, 13.5650



10.8428, 14.0367, 9.1592



3.5535, 3.8707, 3.6332



10.4995, 15.3564, 2.4107



51.4233, 76.0437, 11.9676

Inverse Universe

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



9.5095, 8.5042, 16.4703



14.7360, 12.4453, 28.5553



11.3364, 9.4460, 16.5558



3.2989, 3.3424, 4.2255



4.0490, 1.6968, 17.8357



19.4180, 8.0647, 88.8123

Previews

White Background



This preview shows how the XYZ color 12.6132, 14.9489, 9.2418 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 12.6132, 14.9489, 9.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

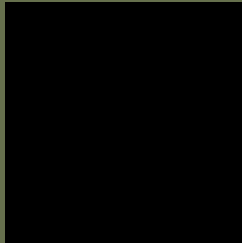
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6132, 14.9489, 9.2418

Background



This preview shows how black text looks on a background with the XYZ color 12.6132, 14.9489, 9.2418.



This preview shows how white text looks on a background with the XYZ color 12.6132, 14.9489,

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

12.6132, 14.9489, 9.2418

Protanopia

13.8350, 14.9461, 8.8123

Deuteranopia

15.0139, 14.7770, 9.4581



Tritanopia

14.4735, 14.9021, 18.6366

Trichromacy



Original Color

12.6132, 14.9489, 9.2418

Protanomaly

13.3287, 14.8386, 8.9991

Deuteranomaly

14.0004, 14.7097, 9.3091

Tritanomaly

13.6926, 14.8998, 14.7247

Monochromacy



Original Color

12.6132, 14.9489, 9.2418

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1370, 14.4944, 12.9318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6132, 14.9489, 9.2418 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(102, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 77)  
}
```

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(102, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.6132, 14.9489, 9.2418 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(102, 112, 77) }
```


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

```
.border{ border-color:rgb(102, 112, 77) }
```

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

Here you see how a box with a 4 pixel rgb(102, 112, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6132, 14.9489, 9.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 112, 77) }
```

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

```
.background{ background-color: rgb(102,  
112, 77) }
```

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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