

Converting Colors

XYZ(12.4937, 15.0281, 8.1307)

Have a look what the booklet for
XYZ(12.4937, 15.0281, 8.1307)
contains.

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Color

**XYZ(12.5219, 15.0900,
8.2139)**

Conversions

Conversions Part 1

Format	Color
Hex	667147
RGB	102, 113, 71
RGB Percent	40%, 44%, 28%
CMY	0.6000, 0.5569, 0.7216
CMYK	0.10, 0.00, 0.37, 0.56
HSL	76°, 23%, 36%
HSV	76°, 37%, 44%
XYZ	12.5219, 15.0900, 8.2139
YIQ	104.9230, 6.9260, -15.3940

Conversions

Conversions Part 2

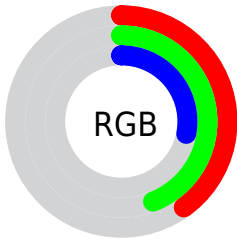
Format	Color
RYB	71, 113, 82
Decimal	6713671
CIELab	45.76, -11.78, 21.97
CIELCh	46, 24.928, 118.193
Yxy	15.0900, 0.3495, 0.4212
Android (android.graphics.Color)	4284903751 (0xFF667147)
YUV	104.9230, -16.7240, -2.5635
Hunter-Lab	38.8458, -10.4410, 14.6553

Details

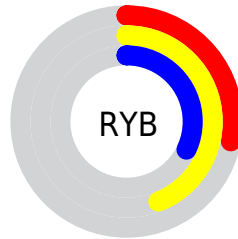
The XYZ color **12.5219, 15.0900, 8.2139** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7142, 7.4930, 16.6107**, and the grayscale version is **13.4492, 14.1497, 15.4090**.

A 20% lighter version of the original color is **30.1717, 35.1364, 22.9611**, and **3.5981, 4.6394, 1.6831** is the 20% darker color. If you saturate the color by 10%, you get **11.8631, 14.7889, 6.4629**, and if you desaturate by 10%, it is **13.2610, 15.4256, 10.3214**.

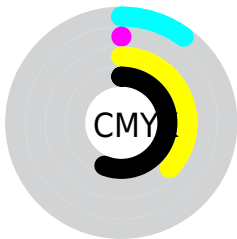
Distribution



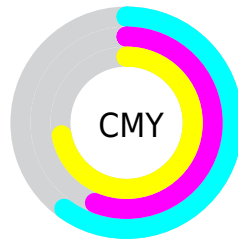
- Red (40%)
- Green (44%)
- Blue (28%)



- Red (28%)
- Yellow (44%)
- Blue (32%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5219, 15.0900, 8.2139 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 12.5219, 15.0900, 8.2139 by changing the saturation by 10% instead.

12.5219, 15.0900,
8.2139

12.5219, 15.0900,
8.2139

201.5306,
223.9103, 187.3970

7.1749, 8.8826,
4.1424

30.0508, 35.0110,
22.9298

3.6190, 4.6647,
1.7038

42.9634, 49.4933,
34.4112

1.4889, 2.0519,
0.3633

59.1286, 67.5028,
49.1997

0.3183, 0.6374,
0.0000

78.9117, 89.4237,
67.7138

0.0000, 0.0000,
0.0000

102.6781,
115.6406, 90.3721

130.7932,

146.5377, 117.5930

163.6222,
182.4995, 149.7951

■ 12.5219, 15.0900,
8.2139

■ 12.5219, 15.0900,
8.2139

■ 11.8631, 14.7889,
6.4629

■ 13.2610, 15.4256,
10.3214

■ 11.2794, 14.5188,
5.0477

■ 14.0827, 15.7952,
12.8028

■ 10.7671, 14.2785,
3.9471

■ 14.9908, 16.2007,
15.6752

■ 10.3215, 14.0662,
3.1366

■ 15.9885, 16.6434,
18.9546

■ 9.9371, 13.8798,
2.5888

■ 17.0786, 17.1246,
22.6561

■ 9.6004, 13.7137,
2.2329

■ 18.2641, 17.6454,
26.7940

■ 9.5080, 13.6681,
2.1371

■ 19.5476, 18.2069,
31.3818

■ 20.9317, 18.8100,
36.4327

■ 22.4189, 19.4559,
41.9589

Harmonies

Analogous

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



14.4700, 15.0900, 7.3847



12.5219, 15.0900, 8.2139



11.1836, 15.0900, 11.0678

Triad

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



12.5219, 15.0900, 8.2139



12.3219, 15.0900, 28.3180



18.7587, 15.0900, 16.7970

Complementary

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



12.5219, 15.0900, 8.2139



8.7142, 7.4930, 16.6107

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.



18.0467, 15.0900, 23.2941



12.5219, 15.0900, 8.2139



14.2159, 15.0900, 30.8742

Square

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



12.5219, 15.0900, 8.2139



11.0763, 15.0900, 22.5077



16.3317, 15.0900, 28.8443



18.1952, 15.0900, 11.5593

Rectangle

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



12.5219, 15.0900, 8.2139



10.7489, 15.0900, 14.1805



16.3317, 15.0900, 28.8443



18.6594, 15.0900, 18.9066

Sweetspot

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



12.5223, 15.0907, 8.2142



26.1523, 28.7010, 25.8591



10.9277, 9.9256, 7.3013



6.0108, 6.6209, 5.8620



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.



12.5223, 15.0907, 8.2142



21.3496, 26.5303, 11.8482



10.4793, 14.0375, 8.1186



3.5608, 3.8744, 3.6335



10.7658, 15.4937, 2.4232



52.7891, 76.7478, 12.0315

Inverse Universe

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



8.7142, 7.4930, 16.6107



13.4272, 10.7116, 29.3353



10.7708, 8.5532, 16.7070



3.2920, 3.3388, 4.2252



3.9582, 1.6500, 17.8315



19.0094, 7.8541, 88.7932

Previews

White Background



This preview shows how the XYZ color 12.5219, 15.0900, 8.2139 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 12.5219, 15.0900, 8.2139 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

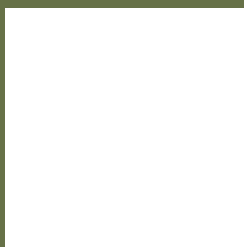
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5219, 15.0900, 8.2139

Background



This preview shows how black text looks on a background with the XYZ color 12.5219, 15.0900, 8.2139.



This preview shows how white text looks on a background with the XYZ color 12.5219, 15.0900,

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

12.5219, 15.0900, 8.2139

Protanopia

13.9080, 15.0063, 7.7937

Deuteranopia

15.3588, 15.1275, 8.4137



Tritanopia

14.6993, 15.1742, 18.6772

Trichromacy



Original Color

12.5219, 15.0900, 8.2139

Protanomaly

13.3635, 15.0388, 7.9928

Deuteranomaly

14.1731, 14.9763, 8.2746

Tritanomaly

13.8200, 15.1361, 14.2498

Monochromacy



Original Color

12.5219, 15.0900, 8.2139

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0473, 14.4585, 12.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5219, 15.0900, 8.2139 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, 113, 71)` looks like.

```
.text, #text, p{  
    color:rgb(102, 113, 71)  
}
```

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, 113, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 113, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.5219, 15.0900, 8.2139 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, 113, 71) }
```


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

```
.border{ border-color:rgb(102, 113, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 113, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 113, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 113, 71);  
box-shadow:4px 4px 4px 4px rgb(102, 113,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5219, 15.0900, 8.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 113, 71) }
```

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

```
.background{ background-color: rgb(102,  
113, 71) }
```

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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