

Converting Colors

XYZ(12.9000, 15.0625, 10.8219)

Have a look what the booklet for
XYZ(12.9000, 15.0625, 10.8219)
contains.

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Color

**XYZ(12.9134, 15.0690,
10.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	667055
RGB	102, 112, 85
RGB Percent	40%, 44%, 33%
CMY	0.6000, 0.5608, 0.6667
CMYK	0.09, 0.00, 0.24, 0.56
HSL	82°, 14%, 39%
HSV	82°, 24%, 44%
XYZ	12.9134, 15.0690, 10.8223
YIQ	105.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

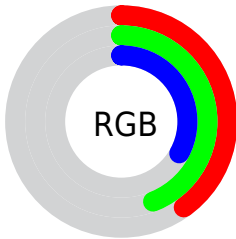
Format	Color
RYB	85, 112, 95
Decimal	6713429
CIELab	45.73, -9.03, 13.78
CIElCh	46, 16.479, 123.226
Yxy	15.0690, 0.3328, 0.3883
Android (android.graphics.Color)	4284903509 (0xFF667055)
YUV	105.9320, -10.3195, -3.4484
Hunter-Lab	38.8188, -8.5534, 10.6437

Details

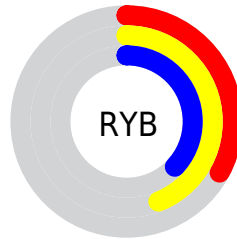
The XYZ color **12.9134, 15.0690, 10.8223** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.8929, 10.1001, 16.7054**, and the grayscale version is **13.7082, 14.4221, 15.7056**.

A 20% lighter version of the original color is **30.7855, 35.0725, 28.0688**, and **3.7919, 4.6322, 2.7017** is the 20% darker color. If you saturate the color by 10%, you get **12.0449, 14.6691, 8.6400**, and if you desaturate by 10%, it is **13.8767, 15.5105, 13.3774**.

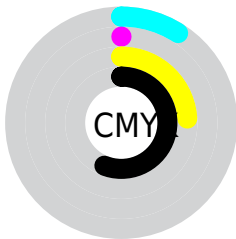
Distribution



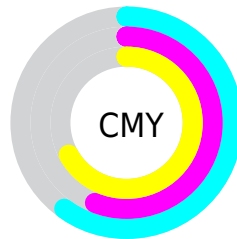
- Red (40%)
- Green (44%)
- Blue (33%)



- Red (33%)
- Yellow (44%)
- Blue (37%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9134, 15.0690, 10.8223 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 12.9134, 15.0690, 10.8223 by changing the saturation by 10% instead.

■ 12.9134, 15.0690,
10.8223

■ 12.9134, 15.0690,
10.8223

204.0107,
223.7835, 207.1378

■ 7.4455, 8.8678,
5.8348

■ 30.7508, 34.9742,
27.9627

■ 3.7911, 4.6551,
2.6777

■ 43.8510, 49.4470,
40.9527

■ 1.5846, 2.0463,
0.9322

■ 60.2260, 67.4458,
57.4473

■ 0.3824, 0.6342,
0.0000

■ 80.2411, 89.3550,
77.8650

■ 0.0000, 0.0000,
0.0000

■ 104.2619,
115.5589, 102.6243

132.6535,

146.4421, 132.1439

165.7813,
182.3888, 166.8422

■ 12.9134, 15.0690,
10.8223

■ 12.9134, 15.0690,
10.8223

■ 12.0449, 14.6691,
8.6400

■ 13.8767, 15.5105,
13.3774

■ 11.2663, 14.3074,
6.8121

■ 14.9371, 15.9931,
16.3206

■ 10.5742, 13.9829,
5.3201

■ 16.0981, 16.5187,
19.6676

■ 9.9642, 13.6939,
4.1434

■ 17.3628, 17.0887,
23.4328

■ 9.4317, 13.4384,
3.2591

■ 18.7342, 17.7042,
27.6300

■ 8.9714, 13.2143,
2.6415

■ 20.2150, 18.3664,
32.2724

■ 8.5753, 13.0183,
2.2503

■ 21.8080, 19.0764,
37.3725

■ 8.3576, 12.9103,
2.0514

■ 23.5157, 19.8352,
42.9425

■ 25.3407, 20.6439,
48.9939

Harmonies

Analogous

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



14.1734, 15.0690, 9.9140



12.9134, 15.0690, 10.8223



12.0757, 15.0690, 13.2083

Triad

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



12.9134, 15.0690, 10.8223



13.1570, 15.0690, 24.1958



17.1472, 15.0690, 15.9824

Complementary

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



12.9134, 15.0690, 10.8223



10.8929, 10.1001, 16.7054

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.



16.8323, 15.0690, 20.0858



12.9134, 15.0690, 10.8223



14.4729, 15.0690, 25.2538

Square

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



12.9134, 15.0690, 10.8223



12.2099, 15.0690, 20.9479



15.8308, 15.0690, 23.6443



16.6661, 15.0690, 12.5758

Rectangle

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



12.9134, 15.0690, 10.8223



11.8392, 15.0690, 15.5249



15.8308, 15.0690, 23.6443



17.1311, 15.0690, 17.3231

Sweetspot

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



12.9138, 15.0697, 10.8226



25.6481, 27.8260, 27.0057



12.4055, 12.2675, 10.3085



6.1444, 6.6771, 6.4393



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.



12.9138, 15.0697, 10.8226



21.8027, 26.0662, 16.7664



11.5158, 14.3490, 10.7572



3.5279, 3.8575, 3.6320



9.6359, 14.9112, 2.3703



47.0259, 73.7767, 11.7618

Inverse Universe

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



10.8929, 10.1001, 16.7054



17.5898, 15.7038, 29.0338



12.4068, 10.8805, 16.7763



3.3235, 3.3551, 4.2266



4.4368, 1.8967, 17.8539



21.2184, 8.9929, 88.8966

Previews

White Background



This preview shows how the XYZ color 12.9134, 15.0690, 10.8223 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 12.9134, 15.0690, 10.8223 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

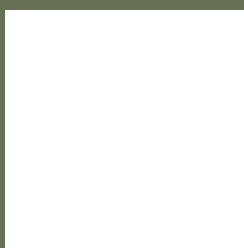
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9134, 15.0690, 10.8223

Background



This preview shows how black text looks on a background with the XYZ color 12.9134, 15.0690, 10.8223.



This preview shows how white text looks on a background with the XYZ color 12.9134, 15.0690,

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

12.9134, 15.0690, 10.8223

Protanopia

13.9941, 14.9945, 10.3403

Deuteranopia

15.2748, 15.0244, 11.1117



Tritanopia

14.4588, 15.0502, 18.6659

Trichromacy



Original Color

12.9134, 15.0690, 10.8223

Protanomaly

13.4993, 14.8924, 10.5505

Deuteranomaly

14.2735, 14.9692, 10.9411

Tritanomaly

13.8441, 14.9605, 15.5226

Monochromacy



Original Color

12.9134, 15.0690, 10.8223

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3929, 14.6102, 13.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9134, 15.0690, 10.8223 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.9134, 15.0690, 10.8223 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, 85) }
```


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

```
.border{ border-color:rgb(102, 112, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 85);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9134, 15.0690, 10.8223 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, 85) }
```

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

```
.background{ background-color: rgb(102,  
112, 85) }
```

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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