

Converting Colors

XYZ(13.0931, 15.3174, 12.9389)

Have a look what the booklet for
XYZ(13.0931, 15.3174, 12.9389)
contains.

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Color

**XYZ(13.0711, 15.2711,
12.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	63715E
RGB	99, 113, 94
RGB Percent	39%, 44%, 37%
CMY	0.6118, 0.5569, 0.6314
CMYK	0.12, 0.00, 0.17, 0.56
HSL	104°, 9%, 41%
HSV	104°, 17%, 44%
XYZ	13.0711, 15.2711, 12.8484
YIQ	106.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

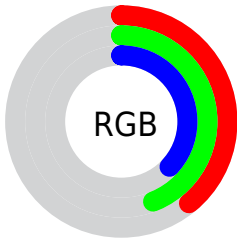
Format	Color
R_{YB}	94, 113, 108
Decimal	6517086
CIE _{Lab}	46.00, -9.17, 8.80
CIE _{LCh}	46, 12.713, 136.170
Yxy	15.2711, 0.3173, 0.3707
Android (android.graphics.Color)	4284707166 (0xFF63715E)
YUV	106.6480, -6.2355, -6.7073
Hunter-Lab	39.0783, -8.6813, 7.8610

Details

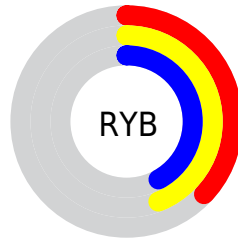
The XYZ color **13.0711, 15.2711, 12.8484** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1684, 12.3863, 17.3204**, and the grayscale version is **13.8953, 14.6189, 15.9200**.

A 20% lighter version of the original color is **31.0669, 35.4079, 31.5826**, and **3.8400, 4.7241, 3.5058** is the 20% darker color. If you saturate the color by 10%, you get **11.7375, 14.6384, 10.3300**, and if you desaturate by 10%, it is **14.5737, 15.9832, 15.7629**.

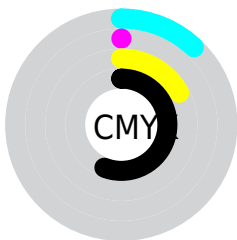
Distribution



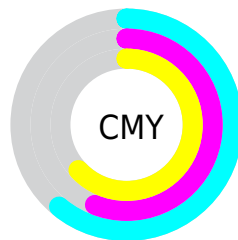
- Red (39%)
- Green (44%)
- Blue (37%)



- Red (37%)
- Yellow (44%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0711, 15.2711, 12.8484 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 13.0711, 15.2711, 12.8484 by changing the saturation by 10% instead.

■ 13.0711, 15.2711,
12.8484

■ 13.0711, 15.2711,
12.8484

205.0012,
225.0013, 221.1174

■ 7.5549, 9.0099,
7.1947

■ 31.0317, 35.3281,
31.7183

■ 3.8609, 4.7476,
3.5039

■ 44.2067, 49.8926,
45.7717

■ 1.6237, 2.1000,
1.3573

■ 60.6655, 67.9937,
63.4620

■ 0.4078, 0.6646,
0.1081

■ 80.7732, 90.0157,
85.2079

■ 0.0000, 0.0000,
0.0000

104.8953,
116.3431, 111.4278

133.3971,

147.3602, 142.5404

166.6439,
183.4515, 178.9640

■ 13.0711, 15.2711,
12.8484

■ 13.0711, 15.2711,
12.8484

■ 11.7375, 14.6384,
10.3300

■ 14.5737, 15.9832,
15.7629

■ 10.5655, 14.0804,
8.1898

■ 16.2496, 16.7753,
19.0886

■ 9.5492, 13.5948,
6.4096

■ 18.1049, 17.6506,
22.8409

■ 8.6816, 13.1785,
4.9698

■ 20.1447, 18.6114,
27.0343

■ 7.9554, 12.8282,
3.8485

■ 22.3739, 19.6601,
31.6823

■ 7.3625, 12.5403,
3.0215

■ 24.7974, 20.7987,
36.7982

■ 6.8939, 12.3106,
2.4610

■ 27.4198, 22.0295,
42.3945

■ 6.5328, 12.1320,
2.1007

■ 30.2456, 23.3544,
48.4832

■ 6.4330, 12.0829,
1.9932

■ 33.2791, 24.7754,
55.0761

Harmonies

Analogous

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



13.9455, 15.2711, 11.5560



13.0711, 15.2711, 12.8484



12.5948, 15.2711, 15.2495

Triad

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



13.0711, 15.2711, 12.8484



14.0252, 15.2711, 23.0788



16.5965, 15.2711, 15.0296

Complementary

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



13.0711, 15.2711, 12.8484



13.1684, 12.3863, 17.3204

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.



16.6204, 15.2711, 18.0864



13.0711, 15.2711, 12.8484



15.0993, 15.2711, 23.0009

Square

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



13.0711, 15.2711, 12.8484



13.1270, 15.2711, 21.2849



16.0609, 15.2711, 21.0836



15.9970, 15.2711, 12.7047

Rectangle

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



13.0711, 15.2711, 12.8484



12.5512, 15.2711, 17.2734



16.0609, 15.2711, 21.0836



16.6731, 15.2711, 15.9981

Sweetspot

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



13.0715, 15.2718, 12.8487



26.5780, 28.8476, 29.1739



14.1867, 15.0307, 12.7434



6.1108, 6.6545, 6.6765



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.



13.0715, 15.2718, 12.8487



22.4826, 26.9075, 21.2481



12.7469, 15.0807, 13.9023



3.4198, 3.8018, 3.6269



7.2797, 13.6965, 2.2600



35.5529, 67.8622, 11.2249

Inverse Universe

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



13.1684, 12.3863, 17.3204



22.6886, 20.7530, 30.7854



13.5504, 12.6114, 16.0668



3.4330, 3.4115, 4.2318



7.4358, 3.4427, 17.9942



36.1989, 16.7156, 89.5977

Previews

White Background



This preview shows how the XYZ color 13.0711, 15.2711, 12.8484 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 13.0711, 15.2711, 12.8484 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

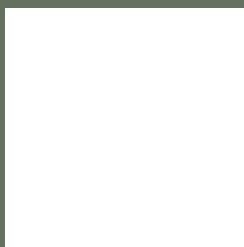
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0711, 15.2711, 12.8484

Background



This preview shows how black text looks on a background with the XYZ color 13.0711, 15.2711, 12.8484.



This preview shows how white text looks on a background with the XYZ color 13.0711, 15.2711,

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

13.0711, 15.2711, 12.8484

Protanopia

14.4706, 15.3548, 12.3263

Deuteranopia

15.4751, 15.2328, 13.1909



Tritanopia

14.4395, 15.3434, 19.3401

Trichromacy



Original Color

13.0711, 15.2711, 12.8484

Protanomaly

13.8584, 15.1934, 12.5581

Deuteranomaly

14.4984, 15.1962, 12.9955

Tritanomaly

13.9242, 15.2978, 16.6869

Monochromacy



Original Color

13.0711, 15.2711, 12.8484

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5758, 14.8396, 14.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0711, 15.2711, 12.8484 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(99, 113, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 94)  
}
```

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(99, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.0711, 15.2711, 12.8484 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(99, 113, 94) }
```


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

```
.border{ border-color:rgb(99, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0711, 15.2711, 12.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 94) }
```

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

```
.background{ background-color: rgb(99, 113,  
94) }
```

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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