

Converting Colors

XYZ(13.3000, 12.8670, 15.3112)

Have a look what the booklet for
XYZ(13.3000, 12.8670, 15.3112)
contains.

XYZ(13.3066, 12.9050, 15.4252)	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(13.3066, 12.9050,
15.4252)**

Conversions

Conversions Part 1

Format	Color
Hex	6E616A
RGB	110, 97, 106
RGB Percent	43%, 38%, 42%
CMY	0.5686, 0.6196, 0.5843
CMYK	0.00, 0.12, 0.04, 0.57
HSL	318°, 6%, 41%
HSV	318°, 12%, 43%
XYZ	13.3066, 12.9050, 15.4252
YIQ	101.9130, 4.8590, 5.5550

Conversions

Conversions Part 2

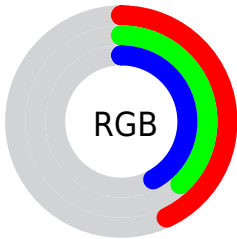
Format	Color
R_{YB}	110, 97, 106
Decimal	7233898
CIE _{Lab}	42.62, 6.95, -3.19
CIE _{LCh}	43, 7.651, 335.342
Yxy	12.9050, 0.3196, 0.3099
Android (android.graphics.Color)	4285423978 (0xFF6E616A)
YUV	101.9130, 2.0149, 7.0923
Hunter-Lab	35.9235, 3.2528, -0.3121

Details

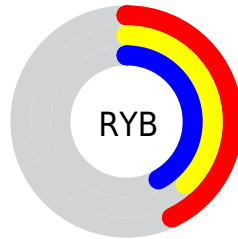
The XYZ color **13.3066, 12.9050, 15.4252** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8552, 14.6332, 14.4596**, and the grayscale version is **12.6009, 13.2571, 14.4370**.

A 20% lighter version of the original color is **31.5760, 31.2955, 36.2747**, and **3.9598, 3.7076, 4.6446** is the 20% darker color. If you saturate the color by 10%, you get **12.1874, 10.9426, 14.2007**, and if you desaturate by 10%, it is **14.5745, 15.1532, 16.7338**.

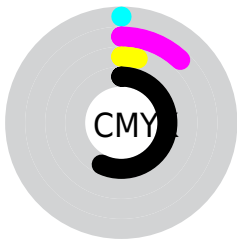
Distribution



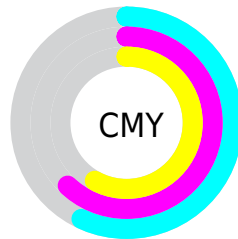
- Red (43%)
- Green (38%)
- Blue (42%)



- Red (43%)
- Yellow (38%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (57%)



- Cyan (57%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3066, 12.9050, 15.4252 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 13.3066, 12.9050, 15.4252 by changing the saturation by 10% instead.

■ 13.3066, 12.9050,
15.4252

■ 13.3066, 12.9050,
15.4252

206.4715,
210.3079, 237.6544

■ 7.7185, 7.3632,
8.9684

■ 31.4502, 31.1330,
36.3502

■ 3.9656, 3.6902,
4.6241

■ 44.7363, 44.5880,
51.6555

■ 1.6827, 1.5018,
1.9736

■ 61.3192, 61.4494,
70.7474

■ 0.4454, 0.2900,
0.5390

■ 81.5641, 82.1018,
94.0444

■ 0.0000, 0.0000,
0.0000

105.8364,
106.9294, 121.9650

134.5015,

136.3167, 154.9279

167.9248,
170.6481, 193.3515

■ 13.3066, 12.9050,
15.4252

■ 13.3066, 12.9050,
15.4252

■ 12.1874, 10.9426,
14.2007

■ 14.5745, 15.1532,
16.7338

■ 11.2099, 9.2528,
13.0573

■ 15.9954, 17.6965,
18.1280

■ 10.3682, 7.8238,
11.9926

■ 17.5750, 20.5457,
19.6101

■ 9.6556, 6.6422,
11.0040

■ 19.3182, 23.7106,
21.1822

■ 9.0648, 5.6937,
10.0888

■ 21.2298, 27.2007,
22.8462

■ 8.5877, 4.9620,
9.2437

■ 23.3143, 31.0250,
24.6040

■ 8.2153, 4.4293,
8.4653

■ 25.5761, 35.1920,
26.4574

■ 7.9365, 4.0738,
7.7496

■ 28.0194, 39.7100,
28.4082

■ 7.7401, 3.8389,
7.1975

■ 30.6484, 44.5873,
30.4580

Harmonies

Analogous

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



12.9217, 12.9050, 16.8185



13.3066, 12.9050, 15.4252



13.4090, 12.9050, 13.7563

Triad

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



13.3066, 12.9050, 15.4252



12.1624, 12.9050, 11.1075



11.3792, 12.9050, 15.9793

Complementary

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



13.3066, 12.9050, 15.4252



12.8552, 14.6332, 14.4596

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.



11.1895, 12.9050, 14.3506



13.3066, 12.9050, 15.4252



11.6325, 12.9050, 11.6057

Square

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



13.3066, 12.9050, 15.4252



12.7366, 12.9050, 11.3461



11.2808, 12.9050, 12.7616



11.8068, 12.9050, 17.1556

Rectangle

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



13.3066, 12.9050, 15.4252



13.3007, 12.9050, 12.7292



11.2808, 12.9050, 12.7616



11.2861, 12.9050, 15.4620

Sweetspot

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



13.3070, 12.9056, 15.4255



25.0621, 25.6625, 28.8482



12.4453, 12.4368, 16.4966



5.7999, 5.9145, 6.6803



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3070, 12.9056, 15.4255



22.8424, 21.7362, 26.5261



12.9865, 12.7774, 13.7378



3.4728, 3.4368, 4.0165



9.2850, 4.6064, 8.5766



45.8538, 22.7869, 40.6240

Inverse Universe

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



13.3070, 12.9056, 15.4255



22.8424, 21.7362, 26.5261



13.1810, 14.7635, 16.1757



3.4728, 3.4368, 4.0165



9.2850, 4.6064, 8.5766



45.8538, 22.7869, 40.6240

Previews

White Background



This preview shows how the XYZ color 13.3066, 12.9050, 15.4252 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 13.3066, 12.9050, 15.4252 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 13.3066, 12.9050, 15.4252

Background



This preview shows how black text looks on a background with the XYZ color 13.3066, 12.9050, 15.4252.



This preview shows how white text looks on a background with the XYZ color 13.3066, 12.9050,

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

13.3066, 12.9050, 15.4252

Protanopia

12.5195, 12.9064, 16.0187

Deuteranopia

13.1535, 12.9641, 15.4447



Tritanopia

13.2549, 12.8843, 15.1529

Trichromacy



Original Color

13.3066, 12.9050, 15.4252

Protanomaly

12.8246, 12.9283, 15.7294

Deuteranomaly

13.2759, 13.0272, 15.4505

Tritanomaly

13.2549, 12.8843, 15.1529

Monochromacy



Original Color

13.3066, 12.9050, 15.4252

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8311, 13.0969, 14.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3066, 12.9050, 15.4252 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(110, 97, 106)` looks like.

```
.text, #text, p{  
    color:rgb(110, 97, 106)  
}
```

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(110, 97, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 97, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.3066, 12.9050, 15.4252 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(110, 97, 106) }
```


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

```
.border{ border-color:rgb(110, 97, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 97, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 97, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 97, 106);  
box-shadow:4px 4px 4px 4px rgb(110, 97,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3066, 12.9050, 15.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 97, 106) }
```

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

```
.background{ background-color: rgb(110, 97,  
106) }
```

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