

Converting Colors

XYZ(13.1541, 13.9930, 15.1717)

Have a look what the booklet for
XYZ(13.1541, 13.9930, 15.1717)
contains.

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Color

**XYZ(13.1438, 13.9862,
15.1036)**

Conversions

Conversions Part 1

Format	Color
Hex	676968
RGB	103, 105, 104
RGB Percent	40%, 41%, 41%
CMY	0.5961, 0.5882, 0.5922
CMYK	0.02, 0.00, 0.01, 0.59
HSL	150°, 1%, 41%
HSV	150°, 2%, 41%
XYZ	13.1438, 13.9862, 15.1036
YIQ	104.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

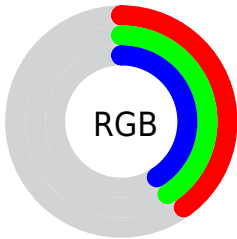
Format	Color
R_{YB}	103, 104, 105
Decimal	6777192
CIE Lab	44.21, -0.98, 0.28
CIE LCh	44, 1.018, 163.758
Yxy	13.9862, 0.3112, 0.3312
Android (android.graphics.Color)	4284967272 (0xFF676968)
YUV	104.2880, -0.1420, -1.1296
Hunter-Lab	37.3981, -2.7118, 2.2338

Details

The XYZ color **13.1438, 13.9862, 15.1036** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1752, 13.7036, 15.0480**, and the grayscale version is **13.2362, 13.9255, 15.1648**.

A 20% lighter version of the original color is **31.1313, 33.0135, 35.7418**, and **3.8825, 4.1623, 4.4697** is the 20% darker color. If you saturate the color by 10%, you get **11.7557, 13.3009, 13.6887**, and if you desaturate by 10%, it is **14.7006, 14.7574, 16.6138**.

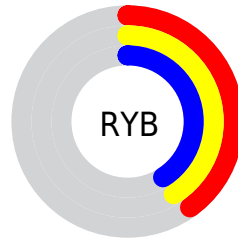
Distribution



Red (40%)

Green (41%)

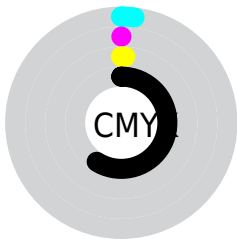
Blue (41%)



Red (40%)

Yellow (41%)

Blue (41%)

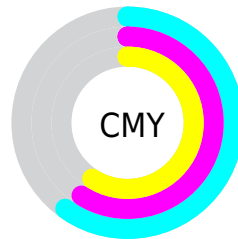


Cyan (2%)

Magenta (0%)

Yellow (1%)

Black (59%)



Cyan (60%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1438, 13.9862, 15.1036 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 13.1438, 13.9862, 15.1036 by changing the saturation by 10% instead.

■ 13.1438, 13.9862,
15.1036

■ 13.1438, 13.9862,
15.1036

205.4562,
217.1450, 235.6548

■ 7.6053, 8.1111,
8.7447

■ 31.1610, 33.0645,
35.7797

■ 3.8931, 4.1661,
4.4805

■ 44.3704, 47.0365,
50.9340

■ 1.6419, 1.7669,
1.8925

■ 60.8676, 64.4763,
69.8571

■ 0.4195, 0.4664,
0.4879

■ 81.0178, 85.7682,
92.9677

■ 0.0000, 0.0000,
0.0000

105.1864,
111.2966, 120.6842

133.7388,

141.4459, 153.4251

167.0403,
176.6006, 191.6092

■ 13.1438, 13.9862,
15.1036

■ 13.1438, 13.9862,
15.1036

■ 11.7557, 13.3009,
13.6887

■ 14.7006, 14.7574,
16.6138

■ 10.5292, 12.6966,
12.3664

■ 16.4306, 15.6154,
18.2201

■ 9.4585, 12.1708,
11.1351

■ 18.3393, 16.5637,
19.9247

■ 8.5370, 11.7201,
9.9927

■ 20.4320, 17.6047,
21.7292

■ 7.7575, 11.3408,
8.9372

■ 22.7135, 18.7411,
23.6352

■ 7.1122, 11.0289,
7.9665

■ 25.1886, 19.9751,
25.6444

■ 6.5925, 10.7801,
7.0784

■ 27.8616, 21.3091,
27.7583

■ 6.1890, 10.5896,
6.2705

■ 30.7371, 22.7453,
29.9785

■ 5.8896, 10.4511,
5.5403

■ 33.8192, 24.2858,
32.3064

Harmonies

Analogous

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



13.1855, 13.9862, 14.9072



13.1438, 13.9862, 15.1036



13.1421, 13.9862, 15.3354

Triad

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



13.1438, 13.9862, 15.1036



13.3307, 13.9862, 15.6680



13.4068, 13.9862, 14.9208

Complementary

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



13.1438, 13.9862, 15.1036



13.1752, 13.7036, 15.0480

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.



13.4460, 13.9862, 15.1223



13.1438, 13.9862, 15.1036



13.4020, 13.9862, 15.5546

Square

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



13.1438, 13.9862, 15.1036



13.2497, 13.9862, 15.6629



13.4443, 13.9862, 15.3543



13.3373, 13.9862, 14.8024

Rectangle

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



13.1438, 13.9862, 15.1036



13.1638, 13.9862, 15.4790



13.4443, 13.9862, 15.3543



13.4240, 13.9862, 14.9809

Sweetspot

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



13.1442, 13.9868, 15.1039



23.7675, 25.1588, 27.2745



13.2131, 14.0281, 14.8435



5.5730, 5.8961, 6.3944



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



13.1442, 13.9868, 15.1039



23.4953, 25.0241, 27.0045



13.1937, 14.0066, 15.3645



3.3822, 3.5967, 3.8858



7.1755, 13.1043, 6.2353



36.1237, 66.5966, 29.4621

Inverse Universe

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



13.1752, 13.7036, 15.0480



23.5551, 24.4774, 26.8966



13.1262, 13.6840, 14.7904



3.3897, 3.5280, 3.8723



8.1580, 4.1153, 4.4607



41.1300, 20.7940, 20.4194

Previews

White Background



This preview shows how the XYZ color 13.1438, 13.9862, 15.1036 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 13.1438, 13.9862, 15.1036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

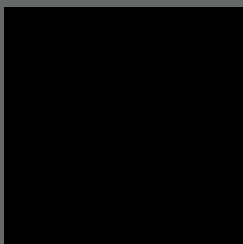
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

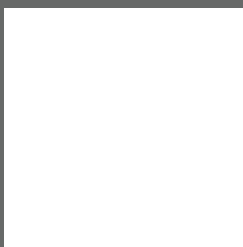
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1438, 13.9862, 15.1036

Background



This preview shows how black text looks on a background with the XYZ color 13.1438, 13.9862, 15.1036.



This preview shows how white text looks on a background with the XYZ color 13.1438, 13.9862,

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

13.1438, 13.9862, 15.1036

Protanopia

13.3424, 13.9441, 14.8202

Deuteranopia

14.1429, 13.9047, 15.3031



Tritanopia

13.5839, 14.0135, 17.3182

Trichromacy

**Original Color**

13.1438, 13.9862, 15.1036

Protanomaly

13.2242, 13.8832, 14.8147

Deuteranomaly

13.7316, 13.8377, 15.3118

Tritanomaly

13.4196, 13.9478, 16.4529

Monochromacy

**Original Color**

13.1438, 13.9862, 15.1036

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1579, 13.8432, 15.0752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1438, 13.9862, 15.1036 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(103, 105, 104) looks like.

```
.text, #text, p{  
    color:rgb(103, 105, 104)  
}
```

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(103, 105, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 105, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.1438, 13.9862, 15.1036 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(103, 105, 104) }
```


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

```
.border{ border-color:rgb(103, 105, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 105, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 105, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 105, 104);  
box-shadow:4px 4px 4px 4px rgb(103, 105,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1438, 13.9862, 15.1036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 105, 104) }
```

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

```
.background{ background-color: rgb(103,  
105, 104) }
```

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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