

Converting Colors

XYZ(13.1074, 13.8197, 13.4246)

Have a look what the booklet for
XYZ(13.1074, 13.8197, 13.4246)
contains.

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Color

**XYZ(13.0988, 13.8466,
13.5376)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6862
RGB	106, 104, 98
RGB Percent	42%, 41%, 38%
CMY	0.5843, 0.5921, 0.6157
CMYK	0.00, 0.02, 0.08, 0.58
HSL	45°, 4%, 40%
HSV	45°, 8%, 42%
XYZ	13.0988, 13.8466, 13.5376
YIQ	103.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

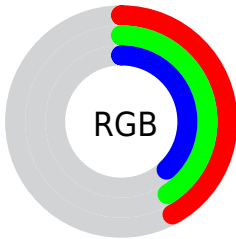
Format	Color
R_{YB}	101, 106, 98
Decimal	6973538
CIE Lab	44.01, -0.41, 3.65
CIE LCh	44, 3.670, 96.362
Yxy	13.8466, 0.3236, 0.3420
Android (android.graphics.Color)	4285163618 (0xFF6A6862)
YUV	103.9140, -2.9156, 1.8294
Hunter-Lab	37.2110, -2.2848, 4.4776

Details

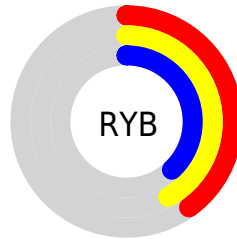
The XYZ color **13.0988, 13.8466, 13.5376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1958, 12.7516, 15.4545**, and the grayscale version is **13.1424, 13.8268, 15.0574**.

A 20% lighter version of the original color is **31.0508, 32.7807, 33.1245**, and **3.8866, 4.1040, 3.8361** is the 20% darker color. If you saturate the color by 10%, you get **12.3689, 13.1352, 10.9864**, and if you desaturate by 10%, it is **13.9042, 14.6025, 16.4414**.

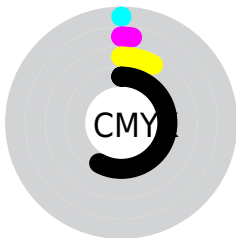
Distribution



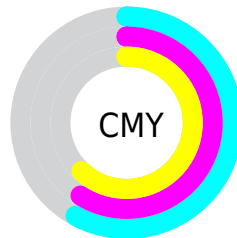
- Red (42%)
- Green (41%)
- Blue (38%)



- Red (40%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (58%)



- Cyan (58%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0988, 13.8466, 13.5376 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 13.0988, 13.8466, 13.5376 by changing the saturation by 10% instead.

■ 13.0988, 13.8466,
13.5376

■ 13.0988, 13.8466,
13.5376

205.1747,
216.2744, 225.6624

■ 7.5741, 8.0141,
7.6647

■ 31.0810, 32.8166,
32.9715

■ 3.8731, 4.1039,
3.7965

■ 44.2691, 46.7228,
47.3696

■ 1.6306, 1.7319,
1.5144

■ 60.7425, 64.0891,
65.4466

■ 0.4122, 0.4442,
0.2286

■ 80.8664, 85.2997,
87.6208

■ 0.0000, 0.0000,
0.0000

105.0062,
110.7392, 114.3110

133.5273,

140.7919, 145.9357

166.7950,
175.8422, 182.9133

■ 13.0988, 13.8466,
13.5376

■ 13.0988, 13.8466,
13.5376

■ 12.3689, 13.1352,
10.9864

■ 13.9042, 14.6025,
16.4414

■ 11.7105, 12.4653,
8.7732

■ 14.7864, 15.4021,
19.7098

■ 11.1214, 11.8363,
6.8838

■ 15.7482, 16.2472,
23.3552

■ 10.5985, 11.2467,
5.3026

■ 16.7919, 17.1389,
27.3895

■ 10.1384, 10.6952,
4.0127

■ 17.9197, 18.0780,
31.8237

■ 9.7376, 10.1801,
2.9956

■ 19.1336, 19.0655,
36.6686

■ 9.3920, 9.6999,
2.2305

■ 20.4357, 20.1025,
41.9345

■ 9.0972, 9.2524,
1.6940

■ 21.8280, 21.1897,
47.6312

■ 8.8393, 8.8320,
1.3135

■ 23.3123, 22.3280,
53.7685

Harmonies

Analogous

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



13.3867, 13.8466, 13.6540



13.0988, 13.8466, 13.5376



12.8314, 13.8466, 13.8211

Triad

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



13.0988, 13.8466, 13.5376



12.7148, 13.8466, 16.0480



13.6807, 13.8466, 15.7291

Complementary

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



13.0988, 13.8466, 13.5376



12.1958, 12.7516, 15.4545

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.



13.4957, 13.8466, 16.4059



13.0988, 13.8466, 13.5376



12.9374, 13.8466, 16.5947

Square

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



13.0988, 13.8466, 13.5376



12.6118, 13.8466, 15.2551



13.2230, 13.8466, 16.7280



13.7254, 13.8466, 14.8995

Rectangle

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



13.0988, 13.8466, 13.5376



12.6999, 13.8466, 14.2052



13.2230, 13.8466, 16.7280



13.6327, 13.8466, 15.9829

Sweetspot

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



13.0992, 13.8472, 13.5379



23.7484, 25.0202, 26.4794



12.6120, 12.7199, 13.8473



5.5688, 5.8664, 6.2237



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.



13.0992, 13.8472, 13.5379



22.7618, 24.0839, 22.9540



13.0678, 14.1332, 13.5948



3.2723, 3.4619, 3.3132



10.8659, 10.7814, 1.5083



54.6529, 53.5094, 7.4478

Inverse Universe

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



12.1958, 12.7516, 15.4545



20.8399, 21.7531, 27.0314



12.2250, 12.4856, 15.4016



3.0042, 3.1367, 3.8820



3.6754, 2.1851, 17.1503



18.1280, 9.9346, 87.1883

Previews

White Background



This preview shows how the XYZ color 13.0988, 13.8466, 13.5376 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 13.0988, 13.8466, 13.5376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

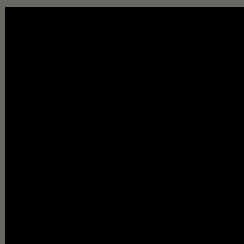
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

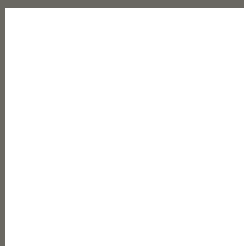
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0988, 13.8466, 13.5376

Background



This preview shows how black text looks on a background with the XYZ color 13.0988, 13.8466, 13.5376.



This preview shows how white text looks on a background with the XYZ color 13.0988, 13.8466,

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

13.0988, 13.8466, 13.5376

Protanopia

13.2183, 13.9083, 13.5432

Deuteranopia

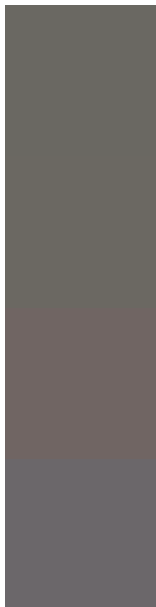
14.0118, 13.7282, 13.7157



Tritanopia

13.7502, 13.8167, 16.6940

Trichromacy



Original Color

13.0988, 13.8466, 13.5376

Protanomaly

13.2183, 13.9083, 13.5432

Deuteranomaly

13.5879, 13.6530, 13.7235

Tritanomaly

13.5152, 13.8669, 15.5999

Monochromacy



Original Color

13.0988, 13.8466, 13.5376

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1743, 13.8632, 14.5519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0988, 13.8466, 13.5376 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(106, 104, 98)` looks like.

```
.text, #text, p{  
    color:rgb(106, 104, 98)  
}
```

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(106, 104, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 104, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.0988, 13.8466, 13.5376 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(106, 104, 98) }
```


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

```
.border{ border-color:rgb(106, 104, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 104, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 104, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 104, 98);  
box-shadow:4px 4px 4px 4px rgb(106, 104,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0988, 13.8466, 13.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 104, 98) }
```

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

```
.background{ background-color: rgb(106,  
104, 98) }
```

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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