

Converting Colors

XYZ(13.4021, 15.0847, 13.3397)

Have a look what the booklet for
XYZ(13.4021, 15.0847, 13.3397)
contains.

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Color

**XYZ(13.3893, 15.0970,
13.2746)**

Conversions

Conversions Part 1

Format	Color
Hex	676F60
RGB	103, 111, 96
RGB Percent	40%, 44%, 38%
CMY	0.5961, 0.5647, 0.6235
CMYK	0.07, 0.00, 0.14, 0.56
HSL	92°, 7%, 41%
HSV	92°, 14%, 44%
XYZ	13.3893, 15.0970, 13.2746
YIQ	106.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

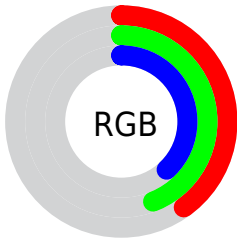
Format	Color
R_{YB}	96, 111, 104
Decimal	6778720
CIE Lab	45.77, -6.07, 7.32
CIE LCh	46, 9.515, 129.674
Yxy	15.0970, 0.3206, 0.3615
Android (android.graphics.Color)	4284968800 (0xFF676F60)
YUV	106.8980, -5.3727, -3.4185
Hunter-Lab	38.8549, -6.4853, 6.9422

Details

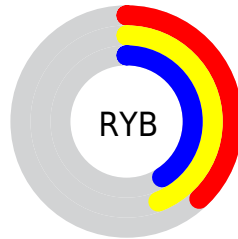
The XYZ color **13.3893, 15.0970, 13.2746** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7616, 12.4569, 16.7716**, and the grayscale version is **13.9616, 14.6887, 15.9960**.

A 20% lighter version of the original color is **31.6901, 35.1710, 32.7222**, and **3.9841, 4.6261, 3.7005** is the 20% darker color. If you saturate the color by 10%, you get **12.2588, 14.5696, 10.7397**, and if you desaturate by 10%, it is **14.6409, 15.6794, 16.1926**.

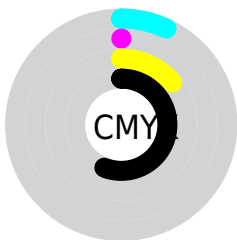
Distribution



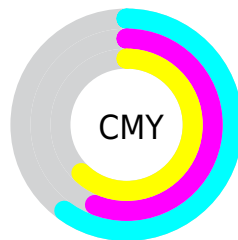
- Red (40%)
- Green (44%)
- Blue (38%)



- Red (38%)
- Yellow (44%)
- Blue (41%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3893, 15.0970, 13.2746 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 13.3893, 15.0970, 13.2746 by changing the saturation by 10% instead.

■ 13.3893, 15.0970,
13.2746

■ 13.3893, 15.0970,
13.2746

206.9854,
223.9526, 223.9394

■ 7.7760, 8.8875,
7.4850

■ 31.5968, 35.0233,
32.4946

■ 4.0025, 4.6679,
3.6842

■ 44.9218, 49.5088,
46.7621

■ 1.7036, 2.0537,
1.4537

■ 61.5480, 67.5218,
64.6926

■ 0.4585, 0.6384,
0.1831

■ 81.8408, 89.4467,
86.7047

■ 0.0000, 0.0000,
0.0000

106.1656,
115.6678, 113.2168

134.8877,

146.5695, 144.6477

168.3725,
182.5363, 181.4157

■ 13.3893, 15.0970,
13.2746

■ 13.3893, 15.0970,
13.2746

■ 12.2588, 14.5696,
10.7397

■ 14.6409, 15.6794,
16.1926

■ 11.2441, 14.0935,
8.5710

■ 16.0163, 16.3165,
19.5076

■ 10.3416, 13.6675,
6.7518

■ 17.5193, 17.0104,
23.2341

■ 9.5465, 13.2897,
5.2637

■ 19.1535, 17.7626,
27.3856

■ 8.8541, 12.9581,
4.0868

■ 20.9222, 18.5747,
31.9750

■ 8.2590, 12.6704,
3.1988

■ 22.8285, 19.4479,
37.0145

■ 7.7552, 12.4240,
2.5745

■ 24.8756, 20.3835,
42.5159

■ 7.3347, 12.2155,
2.1780

■ 27.0664, 21.3829,
48.4907

■ 7.0904, 12.0941,
1.9607

■ 29.4038, 22.4474,
54.9499

Harmonies

Analogous

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



14.0923, 15.0970, 12.4660



13.3893, 15.0970, 13.2746



12.9544, 15.0970, 14.9545

Triad

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



13.3893, 15.0970, 13.2746



13.8214, 15.0970, 20.9256



15.9199, 15.0970, 15.7088

Complementary

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



13.3893, 15.0970, 13.2746



12.7616, 12.4569, 16.7716

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.



15.8408, 15.0970, 18.0166



13.3893, 15.0970, 13.2746



14.6093, 15.0970, 21.1753

Square

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



13.3893, 15.0970, 13.2746



13.1974, 15.0970, 19.4145



15.3540, 15.0970, 20.0680



15.5663, 15.0970, 13.7826

Rectangle

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



13.3893, 15.0970, 13.2746



12.8651, 15.0970, 16.4130



15.3540, 15.0970, 20.0680



15.9433, 15.0970, 16.4632

Sweetspot

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



13.3897, 15.0977, 13.2749



26.0765, 28.0105, 28.6641



13.6178, 14.1252, 13.0752



6.2298, 6.7131, 6.8037



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.



13.3897, 15.0977, 13.2749



23.3619, 26.7475, 22.3744



12.6432, 14.7101, 13.3606



3.4792, 3.8324, 3.6297



8.3250, 14.2354, 2.3089



40.4927, 70.4088, 11.4561

Inverse Universe

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



12.7616, 12.4569, 16.7716



22.0202, 21.1067, 29.8432



13.5808, 12.8823, 16.6665



3.3716, 3.3799, 4.2289



5.4907, 2.4400, 17.9032



26.3483, 11.6374, 89.1367

Previews

White Background



This preview shows how the XYZ color 13.3893, 15.0970, 13.2746 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 13.3893, 15.0970, 13.2746 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 13.3893, 15.0970, 13.2746

Background



This preview shows how black text looks on a background with the XYZ color 13.3893, 15.0970, 13.2746.



This preview shows how white text looks on a background with the XYZ color 13.3893, 15.0970,

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

13.3893, 15.0970, 13.2746

Protanopia

14.1930, 15.0440, 12.7454

Deuteranopia

15.2764, 14.9747, 13.3945



Tritanopia

14.5173, 15.0736, 18.9740

Trichromacy



Original Color

13.3893, 15.0970, 13.2746

Protanomaly

13.8409, 15.0147, 12.9951

Deuteranomaly

14.6178, 15.0915, 13.4518

Tritanomaly

14.0547, 15.0447, 16.6311

Monochromacy



Original Color

13.3893, 15.0970, 13.2746

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7546, 14.7686, 14.9576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3893, 15.0970, 13.2746 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, 111, 96)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 96)  
}
```

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, 111, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.3893, 15.0970, 13.2746 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, 111, 96) }
```


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

```
.border{ border-color:rgb(103, 111, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 96);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3893, 15.0970, 13.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 96) }
```

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

```
.background{ background-color: rgb(103,  
111, 96) }
```

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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