

Converting Colors

XYZ(13.2767, 13.9066, 12.6866)

Have a look what the booklet for
XYZ(13.2767, 13.9066, 12.6866)
contains.

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Color

**XYZ(13.2774, 13.9600,
12.5844)**

Conversions

Conversions Part 1

Format	Color
Hex	6D685E
RGB	109, 104, 94
RGB Percent	43%, 41%, 37%
CMY	0.5725, 0.5921, 0.6314
CMYK	0.00, 0.05, 0.14, 0.57
HSL	40°, 7%, 40%
HSV	40°, 14%, 43%
XYZ	13.2774, 13.9600, 12.5844
YIQ	104.3550, 6.1900, -2.0500

Conversions

Conversions Part 2

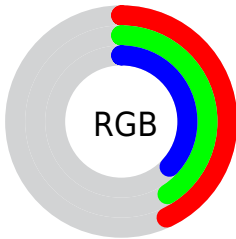
Format	Color
RYB	102, 109, 94
Decimal	7170142
CIELab	44.18, 0.06, 6.33
CIELCh	44, 6.330, 89.479
Yxy	13.9600, 0.3334, 0.3506
Android (android.graphics.Color)	4285360222 (0xFF6D685E)
YUV	104.3550, -5.1050, 4.0737
Hunter-Lab	37.3631, -1.9534, 6.1845

Details

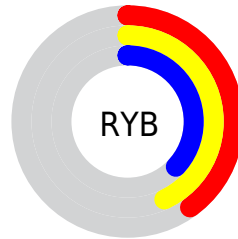
The XYZ color **13.2774, 13.9600, 12.5844** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8382, 12.4073, 16.2391**, and the grayscale version is **13.2657, 13.9566, 15.1987**.

A 20% lighter version of the original color is **31.4533, 33.0334, 31.1039**, and **3.9211, 4.1318, 3.3871** is the 20% darker color. If you saturate the color by 10%, you get **12.4648, 13.0630, 10.0684**, and if you desaturate by 10%, it is **14.1756, 14.9174, 15.4701**.

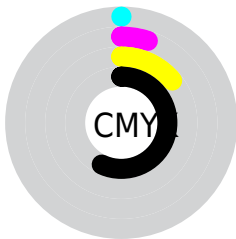
Distribution



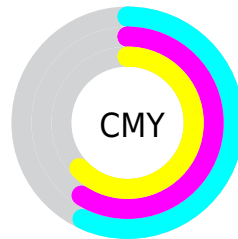
- Red (43%)
- Green (41%)
- Blue (37%)



- Red (40%)
- Yellow (43%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (57%)



- Cyan (57%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2774, 13.9600, 12.5844 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 13.2774, 13.9600, 12.5844 by changing the saturation by 10% instead.

■ 13.2774, 13.9600,
12.5844

■ 13.2774, 13.9600,
12.5844

206.2898,
216.9818, 219.3502

■ 7.6982, 8.0928,
7.0156

■ 31.3983, 33.0180,
31.2353

■ 3.9526, 4.1544,
3.3933

■ 44.6708, 46.9777,
45.1544

■ 1.6753, 1.7603,
1.2988

■ 61.2383, 64.4037,
62.6942

■ 0.4408, 0.4623,
0.0608

■ 81.4662, 85.6804,
84.2730

■ 0.0000, 0.0000,
0.0000

105.7200,
111.1921, 110.3095

134.3650,

141.3233, 141.2222

167.7664,
176.4585, 177.4295

■ 13.2774, 13.9600,
12.5844

■ 13.2774, 13.9600,
12.5844

■ 12.4648, 13.0630,
10.0684

■ 14.1756, 14.9174,
15.4701

■ 11.7336, 12.2230,
7.9061

■ 15.1612, 15.9347,
18.7390

■ 11.0810, 11.4390,
6.0813

■ 16.2372, 17.0141,
22.4049

■ 10.5032, 10.7091,
4.5766

■ 17.4064, 18.1568,
26.4808

■ 9.9966, 10.0317,
3.3726

■ 18.6713, 19.3642,
30.9790

■ 9.5569, 9.4045,
2.4482

■ 20.0342, 20.6375,
35.9112

■ 9.1793, 8.8255,
1.7792

■ 21.4975, 21.9779,
41.2889

■ 8.8566, 8.2912,
1.3288

■ 23.0634, 23.3866,
47.1230

■ 8.6685, 7.9747,
1.0824

■ 24.7341, 24.8648,
53.4239

Harmonies

Analogous

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



13.7680, 13.9600, 12.9272



13.2774, 13.9600, 12.5844



12.7962, 13.9600, 12.9045

Triad

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



13.2774, 13.9600, 12.5844



12.4407, 13.9600, 16.6106



14.1231, 13.9600, 16.6572

Complementary

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



13.2774, 13.9600, 12.5844



11.8382, 12.4073, 16.2391

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.



13.7524, 13.9600, 17.7529



13.2774, 13.9600, 12.5844



12.7813, 13.9600, 17.7248

Square

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



13.2774, 13.9600, 12.5844



12.3207, 13.9600, 15.1748



13.2597, 13.9600, 18.1552



14.2638, 13.9600, 15.2254

Rectangle

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



13.2774, 13.9600, 12.5844



12.5437, 13.9600, 13.4632



13.2597, 13.9600, 18.1552



14.0208, 13.9600, 17.0802

Sweetspot

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



13.2778, 13.9606, 12.5847



25.3244, 26.6498, 27.5092



12.5617, 12.1577, 13.4892



5.8695, 6.1767, 6.3246



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.



13.2778, 13.9606, 12.5847



23.2181, 24.3898, 20.7872



13.4927, 14.8406, 12.7432



3.2524, 3.4220, 3.3065



10.1162, 9.2822, 1.2585



50.7251, 45.6538, 6.1386

Inverse Universe

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



11.8382, 12.4073, 16.2391



20.0248, 20.9443, 28.8945



11.6399, 11.6237, 16.0983



3.0232, 3.1747, 3.8883



3.9568, 2.7480, 17.2441



19.4356, 12.5498, 87.6242

Previews

White Background



This preview shows how the XYZ color 13.2774, 13.9600, 12.5844 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 13.2774, 13.9600, 12.5844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

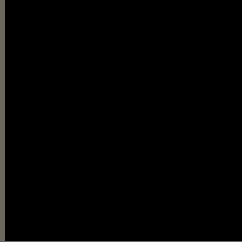
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2774, 13.9600, 12.5844

Background



This preview shows how black text looks on a background with the XYZ color 13.2774, 13.9600, 12.5844.



This preview shows how white text looks on a background with the XYZ color 13.2774, 13.9600,

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

13.2774, 13.9600, 12.5844

Protanopia

13.2774, 13.9600, 12.5844

Deuteranopia

14.1905, 13.9851, 12.7780



Tritanopia

14.1214, 14.0080, 16.7114

Trichromacy



Original Color

13.2774, 13.9600, 12.5844

Protanomaly

13.2774, 13.9600, 12.5844

Deuteranomaly

13.8872, 13.9738, 12.7918

Tritanomaly

13.7793, 14.0150, 15.0756

Monochromacy



Original Color

13.2774, 13.9600, 12.5844

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1944, 13.8849, 14.0412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2774, 13.9600, 12.5844 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(109, 104, 94)` looks like.

```
.text, #text, p{  
    color:rgb(109, 104, 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(109, 104, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 104, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.2774, 13.9600, 12.5844 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(109, 104, 94) }
```


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

```
.border{ border-color:rgb(109, 104, 94) }
```

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

Here you see how a box with a 4 pixel rgb(109, 104, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 104, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 104, 94);  
box-shadow:4px 4px 4px 4px rgb(109, 104,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2774, 13.9600, 12.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 104, 94) }
```

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

```
.background{ background-color: rgb(109,  
104, 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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