

Converting Colors

XYZ(13.3288, 13.9744, 12.7864)

Have a look what the booklet for
XYZ(13.3288, 13.9744, 12.7864)
contains.

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Color

**XYZ(13.3225, 13.9781,
12.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	6D685F
RGB	109, 104, 95
RGB Percent	43%, 41%, 37%
CMY	0.5725, 0.5921, 0.6274
CMYK	0.00, 0.05, 0.13, 0.57
HSL	39°, 7%, 40%
HSV	39°, 13%, 43%
XYZ	13.3225, 13.9781, 12.8223
YIQ	104.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

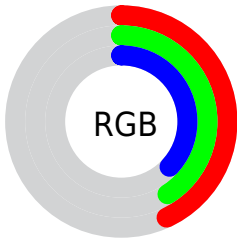
Format	Color
R_{YB}	103, 109, 95
Decimal	7170143
CIE Lab	44.20, 0.24, 5.76
CIE LCh	44, 5.769, 87.626
Yxy	13.9781, 0.3320, 0.3484
Android (android.graphics.Color)	4285360223 (0xFF6D685F)
YUV	104.4690, -4.6682, 3.9737
Hunter-Lab	37.3873, -1.8215, 5.8371

Details

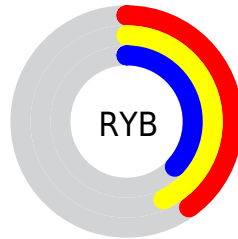
The XYZ color **13.3225, 13.9781, 12.8223** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0366, 12.6509, 16.2754**, and the grayscale version is **13.2953, 13.9877, 15.2326**.

A 20% lighter version of the original color is **31.5301, 33.0641, 31.5083**, and **3.9420, 4.1401, 3.4971** is the 20% darker color. If you saturate the color by 10%, you get **12.4788, 13.0289, 10.2653**, and if you desaturate by 10%, it is **14.2544, 14.9924, 15.7511**.

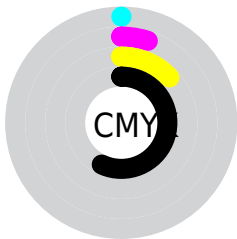
Distribution



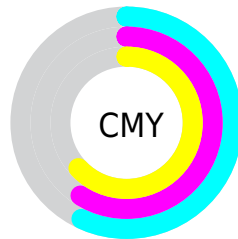
- Red (43%)
- Green (41%)
- Blue (37%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (13%)
- Black (57%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3225, 13.9781, 12.8223 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 13.3225, 13.9781, 12.8223 by changing the saturation by 10% instead.

■ 13.3225, 13.9781,
12.8223

■ 13.3225, 13.9781,
12.8223

206.5704,
217.0945, 220.9433

■ 7.7295, 8.1054,
7.1770

■ 31.4784, 33.0502,
31.6707

■ 3.9727, 4.1625,
3.4929

■ 44.7720, 47.0184,
45.7108

■ 1.6867, 1.7649,
1.3515

■ 61.3632, 64.4538,
63.3863

■ 0.4479, 0.4651,
0.1035

■ 81.6173, 85.7410,
85.1158

■ 0.0000, 0.0000,
0.0000

105.8997,
111.2643, 111.3176

134.5758,

141.4080, 142.4105

168.0109,
176.5567, 178.8129

■ 13.3225, 13.9781,
12.8223

■ 13.3225, 13.9781,
12.8223

■ 12.4788, 13.0289,
10.2653

■ 14.2544, 14.9924,
15.7511

■ 11.7191, 12.1413,
8.0641

■ 15.2762, 16.0716,
19.0652

■ 11.0404, 11.3143,
6.2028

■ 16.3912, 17.2177,
22.7783

■ 10.4392, 10.5459,
4.6639

■ 17.6020, 18.4321,
26.9034

■ 9.9115, 9.8344,
3.4283

■ 18.9111, 19.7163,
31.4527

■ 9.4532, 9.1775,
2.4749

■ 20.3210, 21.0715,
36.4379

■ 9.0595, 8.5729,
1.7800

■ 21.8341, 22.4990,
41.8704

■ 8.7241, 8.0176,
1.3118

■ 23.4525, 24.0002,
47.7611

■ 8.5028, 7.6435,
1.0272

■ 25.1786, 25.5761,
54.1205

Harmonies

Analogous

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



13.7659, 13.9781, 13.1754



13.3225, 13.9781, 12.8223



12.8791, 13.9781, 13.0802

Triad

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



13.3225, 13.9781, 12.8223



12.5160, 13.9781, 16.4272



14.0483, 13.9781, 16.6195

Complementary

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



13.3225, 13.9781, 12.8223



12.0366, 12.6509, 16.2754

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.



13.7009, 13.9781, 17.5808



13.3225, 13.9781, 12.8223



12.8169, 13.9781, 17.4654

Square

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



13.3225, 13.9781, 12.8223



12.4199, 13.9781, 15.1149



13.2491, 13.9781, 17.8989



14.1910, 13.9781, 15.3251

Rectangle

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



13.3225, 13.9781, 12.8223



12.6418, 13.9781, 13.5726



13.2491, 13.9781, 17.8989



13.9512, 13.9781, 16.9951

Sweetspot

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



13.3229, 13.9787, 12.8226



25.3045, 26.6099, 27.5026



12.7056, 12.3584, 13.8063



5.8642, 6.1661, 6.3228



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.



13.3229, 13.9787, 12.8226



23.4532, 24.5828, 21.7204



13.6136, 14.8975, 12.9846



3.2467, 3.4107, 3.3047



9.9221, 8.8939, 1.1937



49.7157, 43.6349, 5.8021

Inverse Universe

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



12.0366, 12.6509, 16.2754



20.7349, 21.7767, 29.0177



11.7682, 11.8228, 16.1297



3.0286, 3.1856, 3.8901



4.0518, 2.9379, 17.2758



19.8894, 13.4574, 87.7755

Previews

White Background



This preview shows how the XYZ color 13.3225, 13.9781, 12.8223 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 13.3225, 13.9781, 12.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

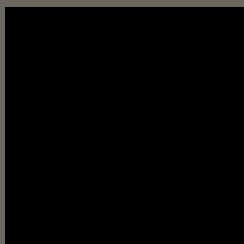
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

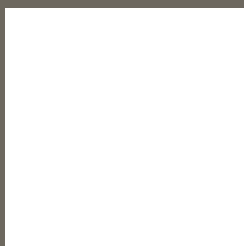
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3225, 13.9781, 12.8223

Background



This preview shows how black text looks on a background with the XYZ color 13.3225, 13.9781, 12.8223.

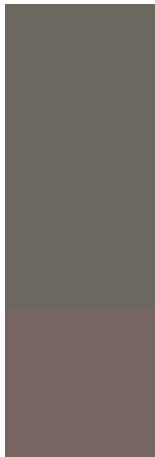


This preview shows how white text looks on a background with the XYZ color 13.3225, 13.9781,

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

13.3225, 13.9781, 12.8223

Protanopia

13.3225, 13.9781, 12.8223

Deuteranopia

14.2362, 14.0034, 13.0189



Tritanopia

14.1214, 14.0080, 16.7114

Trichromacy



Original Color

13.3225, 13.9781, 12.8223

Protanomaly

13.3225, 13.9781, 12.8223

Deuteranomaly

13.9329, 13.9921, 13.0327

Tritanomaly

13.8305, 14.0354, 15.3448

Monochromacy



Original Color

13.3225, 13.9781, 12.8223

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2431, 13.9044, 14.2977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3225, 13.9781, 12.8223 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, 95) looks like.

```
.text, #text, p{  
    color:rgb(109, 104, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 104, 95) }
```

Border

The CSS property to change the border of an element to XYZ 13.3225, 13.9781, 12.8223 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, 95) }
```


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

```
.border{ border-color:rgb(109, 104, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(109, 104,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3225, 13.9781, 12.8223 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, 95) }
```

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

```
.background{ background-color: rgb(109,  
104, 95) }
```

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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