

Converting Colors

XYZ(12.7231, 13.3323, 12.7859)

Have a look what the booklet for
XYZ(12.7231, 13.3323, 12.7859)
contains.

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Color

**XYZ(12.7608, 13.3931,
12.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	6A665F
RGB	106, 102, 95
RGB Percent	42%, 40%, 37%
CMY	0.5843, 0.6000, 0.6274
CMYK	0.00, 0.04, 0.10, 0.58
HSL	38°, 5%, 39%
HSV	38°, 10%, 42%
XYZ	12.7608, 13.3931, 12.7390
YIQ	102.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

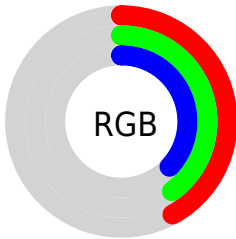
Format	Color
RYB	101, 106, 95
Decimal	6973023
CIELab	43.35, 0.21, 4.51
CIELCh	43, 4.513, 87.360
Yxy	13.3931, 0.3281, 0.3444
Android (android.graphics.Color)	4285163103 (0xFF6A665F)
YUV	102.3980, -3.6472, 3.1590
Hunter-Lab	36.5966, -1.8032, 4.9792

Details

The XYZ color **12.7608, 13.3931, 12.7390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7827, 12.3971, 15.4078**, and the grayscale version is **12.7422, 13.4058, 14.5989**.

A 20% lighter version of the original color is **30.4067, 31.9949, 31.3611**, and **3.7242, 3.8839, 3.4591** is the 20% darker color. If you saturate the color by 10%, you get **11.9416, 12.4740, 10.2483**, and if you desaturate by 10%, it is **13.6639, 14.3748, 15.5815**.

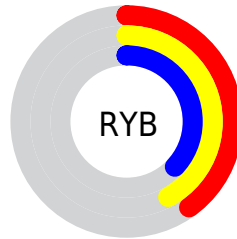
Distribution



Red (42%)

Green (40%)

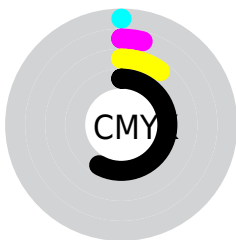
Blue (37%)



Red (40%)

Yellow (42%)

Blue (37%)

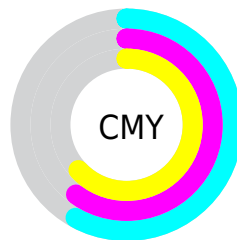


Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (58%)



Cyan (58%)

Magenta (60%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7608, 13.3931, 12.7390 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 12.7608, 13.3931, 12.7390 by changing the saturation by 10% instead.

■ 12.7608, 13.3931,
12.7390

■ 12.7608, 13.3931,
12.7390

203.0477,
213.4219, 220.3869

■ 7.3399, 7.6998,
7.1205

■ 30.4784, 32.0082,
31.5184

■ 3.7238, 3.9035,
3.4580

■ 43.5057, 45.6988,
45.5163

■ 1.5471, 1.6197,
1.3330

■ 59.7993, 62.8240,
63.1444

■ 0.3575, 0.3708,
0.0886

■ 79.7244, 83.7681,
84.8212

■ 0.0000, 0.0000,
0.0000

103.6465,
108.9155, 110.9654

131.9308,

138.6507, 141.9953

164.9427,
173.3580, 178.3296

■ 12.7608, 13.3931,
12.7390

■ 12.7608, 13.3931,
12.7390

■ 11.9416, 12.4740,
10.2483

■ 13.6639, 14.3748,
15.5815

■ 11.2024, 11.6142,
8.0947

■ 14.6526, 15.4189,
18.7882

■ 10.5405, 10.8127,
6.2636

■ 15.7297, 16.5273,
22.3718

■ 9.9525, 10.0679,
4.7389

■ 16.8978, 17.7013,
26.3441

■ 9.4351, 9.3778,
3.5033

■ 18.1593, 18.9422,
30.7166

■ 8.9842, 8.7406,
2.5377

■ 19.5163, 20.2514,
35.5000

■ 8.5957, 8.1540,
1.8206

■ 20.9711, 21.6299,
40.7050

■ 8.2644, 7.6158,
1.3273

■ 22.5258, 23.0790,
46.3415

■ 7.9792, 7.1347,
0.9566

■ 24.1824, 24.5999,
52.4193

Harmonies

Analogous

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



13.0966, 13.3931, 13.0176



12.7608, 13.3931, 12.7390



12.4226, 13.3931, 12.9354

Triad

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



12.7608, 13.3931, 12.7390



12.1407, 13.3931, 15.4877



13.3055, 13.3931, 15.6485

Complementary

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



12.7608, 13.3931, 12.7390



11.7827, 12.3971, 15.4078

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.



13.0419, 13.3931, 16.3645



12.7608, 13.3931, 12.7390



12.3698, 13.3931, 16.2687

Square

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



12.7608, 13.3931, 12.7390



12.0685, 13.3931, 14.4941



12.6987, 13.3931, 16.5965



13.4147, 13.3931, 14.6719

Rectangle

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



12.7608, 13.3931, 12.7390



12.2405, 13.3931, 13.3144



12.6987, 13.3931, 16.5965



13.2318, 13.3931, 15.9293

Sweetspot

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



12.7612, 13.3937, 12.7393



23.5369, 24.7512, 25.9339



12.2900, 12.1503, 13.5104



5.4878, 5.7702, 5.9936



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.



12.7612, 13.3937, 12.7393



22.1034, 23.1821, 21.4554



12.9908, 14.1096, 12.8654



3.2452, 3.4076, 3.3041



9.8698, 8.7893, 1.1763



49.4444, 43.0924, 5.7117

Inverse Universe

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



11.7827, 12.3971, 15.4078



20.0885, 21.1298, 26.9507



11.5670, 11.7374, 15.2918



3.0301, 3.1886, 3.8906



4.0793, 2.9929, 17.2849



20.0218, 13.7221, 87.8196

Previews

White Background



This preview shows how the XYZ color 12.7608, 13.3931, 12.7390 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 12.7608, 13.3931, 12.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

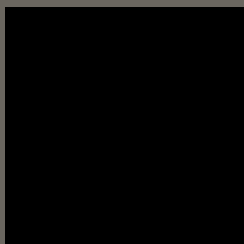
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7608, 13.3931, 12.7390

Background



This preview shows how black text looks on a background with the XYZ color 12.7608, 13.3931, 12.7390.



This preview shows how white text looks on a background with the XYZ color 12.7608, 13.3931,

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

12.7608, 13.3931, 12.7390

Protanopia

12.7608, 13.3931, 12.7390

Deuteranopia

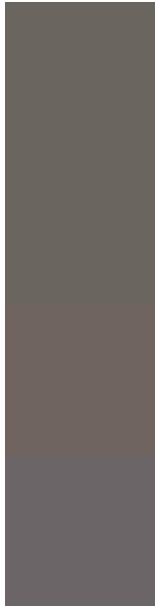
13.6434, 13.4130, 12.9362



Tritanopia

13.4483, 13.3852, 16.0622

Trichromacy



Original Color

12.7608, 13.3931, 12.7390

Protanomaly

12.7608, 13.3931, 12.7390

Deuteranomaly

13.3506, 13.4036, 12.9498

Tritanomaly

13.1653, 13.4124, 14.7269

Monochromacy



Original Color

12.7608, 13.3931, 12.7390

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5970, 13.2872, 13.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7608, 13.3931, 12.7390 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, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(106, 102, 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(106, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 102, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.7608, 13.3931, 12.7390 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, 102, 95) }
```


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

```
.border{ border-color:rgb(106, 102, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 102, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(106, 102,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7608, 13.3931, 12.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 102, 95) }
```

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

```
.background{ background-color: rgb(106,  
102, 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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