

Converting Colors

XYZ(12.3525, 13.3906, 12.8054)

Have a look what the booklet for
XYZ(12.3525, 13.3906, 12.8054)
contains.

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Color

**XYZ(12.2826, 13.2934,
12.7450)**

Conversions

Conversions Part 1

Format	Color
Hex	65675F
RGB	101, 103, 95
RGB Percent	40%, 40%, 37%
CMY	0.6039, 0.5961, 0.6274
CMYK	0.02, 0.00, 0.08, 0.60
HSL	75°, 4%, 39%
HSV	75°, 8%, 40%
XYZ	12.2826, 13.2934, 12.7450
YIQ	101.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

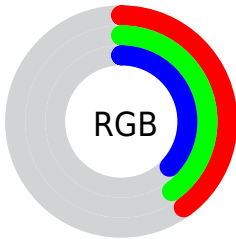
Format	Color
RYB	95, 103, 97
Decimal	6645599
CIELab	43.20, -2.39, 4.24
CIELCh	43, 4.868, 119.466
Yxy	13.2934, 0.3205, 0.3469
Android (android.graphics.Color)	4284835679 (0xFF65675F)
YUV	101.4900, -3.1996, -0.4297
Hunter-Lab	36.4601, -3.6725, 4.7967

Details

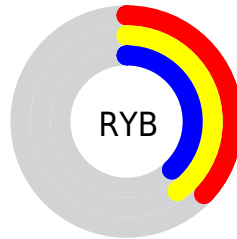
The XYZ color **12.2826, 13.2934, 12.7450** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4707, 11.7055, 14.4875**, and the grayscale version is **12.5046, 13.1558, 14.3266**.

A 20% lighter version of the original color is **29.6153, 31.8309, 31.3712**, and **3.4899, 3.8344, 3.4619** is the 20% darker color. If you saturate the color by 10%, you get **11.5611, 12.9724, 10.4267**, and if you desaturate by 10%, it is **13.0759, 13.6450, 15.3905**.

Distribution



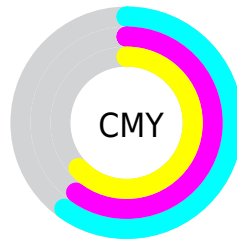
- Red (40%)
- Green (40%)
- Blue (37%)



- Red (37%)
- Yellow (40%)
- Blue (38%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2826, 13.2934, 12.7450 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 12.2826, 13.2934, 12.7450 by changing the saturation by 10% instead.

■ 12.2826, 13.2934,
12.7450

■ 12.2826, 13.2934,
12.7450

199.9992,
212.7896, 220.4270

■ 7.0100, 7.6309,
7.1245

■ 29.6212, 31.8299,
31.5293

■ 3.5147, 3.8597,
3.4605

■ 42.4179, 45.4727,
45.5303

■ 1.4315, 1.5954,
1.3343

■ 58.4533, 62.5443,
63.1618

■ 0.2785, 0.3545,
0.0896

■ 78.0929, 83.4292,
84.8425

■ 0.0000, 0.0000,
0.0000

101.7019,
108.5118, 110.9908

129.6457,

138.1765, 142.0253

162.2897,
172.8076, 178.3645

■ 12.2826, 13.2934,
12.7450

■ 12.2826, 13.2934,
12.7450

■ 11.5611, 12.9724,
10.4267

■ 13.0759, 13.6450,
15.3905

■ 10.9077, 12.6793,
8.4219

■ 13.9421, 14.0264,
18.3742

■ 10.3201, 12.4135,
6.7175

■ 14.8839, 14.4391,
21.7080

■ 9.7956, 12.1739,
5.2989

■ 15.9035, 14.8840,
25.4026

■ 9.3310, 11.9593,
4.1504

■ 17.0028, 15.3619,
29.4684

■ 8.9229, 11.7684,
3.2548

■ 18.1839, 15.8736,
33.9154

■ 8.5677, 11.5995,
2.5927

■ 19.4487, 16.4198,
38.7533

■ 8.2610, 11.4511,
2.1422

■ 20.7990, 17.0014,
43.9912

■ 7.9888, 11.3174,
1.8294

■ 22.2365, 17.6189,
49.6382

Harmonies

Analogous

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



12.6417, 13.2934, 12.5006



12.2826, 13.2934, 12.7450



12.0223, 13.2934, 13.4474

Triad

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



12.2826, 13.2934, 12.7450



12.2711, 13.2934, 16.3323



13.3719, 13.2934, 14.4936

Complementary

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



12.2826, 13.2934, 12.7450



11.4707, 11.7055, 14.4875

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.



13.2681, 13.2934, 15.5521



12.2826, 13.2934, 12.7450



12.6282, 13.2934, 16.6455

Square

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



12.2826, 13.2934, 12.7450



12.0158, 13.2934, 15.5171



12.9940, 13.2934, 16.3532



13.2751, 13.2934, 13.4793

Rectangle

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



12.2826, 13.2934, 12.7450



11.9373, 13.2934, 14.0989



12.9940, 13.2934, 16.3532



13.3593, 13.2934, 14.8562

Sweetspot

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



12.2830, 13.2940, 12.7453



22.7876, 24.1554, 25.4519



11.9342, 12.2596, 12.5640



5.5656, 5.8960, 6.2296



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.



12.2830, 13.2940, 12.7453



21.7916, 23.7137, 22.1631



11.8460, 13.0687, 12.7248



2.9768, 3.2352, 3.0420



9.9432, 14.1846, 2.2138



51.0306, 73.5532, 11.5076

Inverse Universe

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



11.4707, 11.7055, 14.4875



20.0737, 20.3540, 25.8478



11.9077, 11.9307, 14.5079



2.7511, 2.7937, 3.5262



3.5788, 1.4891, 16.2431



17.9658, 7.4059, 84.6840

Previews

White Background



This preview shows how the XYZ color 12.2826, 13.2934, 12.7450 looks on a white background.

Color Contrast Check

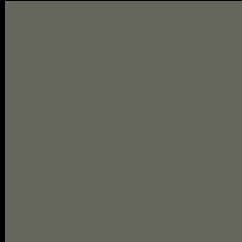
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2826, 13.2934, 12.7450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

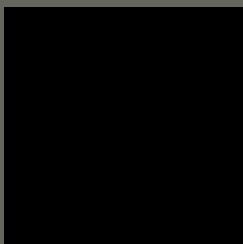
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

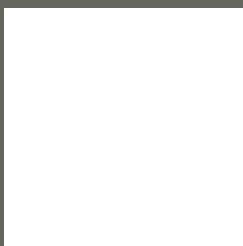
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2826, 13.2934, 12.7450

Background



This preview shows how black text looks on a background with the XYZ color 12.2826, 13.2934, 12.7450.



This preview shows how white text looks on a background with the XYZ color 12.2826, 13.2934,

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

12.2826, 13.2934, 12.7450

Protanopia

12.7156, 13.3751, 12.5011

Deuteranopia

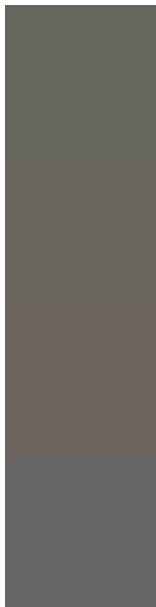
13.4184, 13.1573, 12.8987



Tritanopia

13.0075, 13.2951, 16.3486

Trichromacy



Original Color

12.2826, 13.2934, 12.7450

Protanomaly

12.4807, 13.2540, 12.4901

Deuteranomaly

12.9752, 13.2101, 12.9323

Tritanomaly

12.7296, 13.3270, 14.9982

Monochromacy



Original Color

12.2826, 13.2934, 12.7450

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3703, 13.1703, 13.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2826, 13.2934, 12.7450 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(101, 103, 95)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 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(101, 103, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.2826, 13.2934, 12.7450 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(101, 103, 95) }
```


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

```
.border{ border-color:rgb(101, 103, 95) }
```

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

Here you see how a box with a 4 pixel rgb(101, 103, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 95);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2826, 13.2934, 12.7450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 95) }
```

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

```
.background{ background-color: rgb(101,  
103, 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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