

Converting Colors

XYZ(12.9451, 12.9980, 12.2450)

Have a look what the booklet for
XYZ(12.9451, 12.9980, 12.2450)
contains.

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Color

**XYZ(12.9932, 13.0935,
12.1984)**

Conversions

Conversions Part 1

Format	Color
Hex	6F635D
RGB	111, 99, 93
RGB Percent	44%, 39%, 36%
CMY	0.5647, 0.6118, 0.6353
CMYK	0.00, 0.11, 0.16, 0.56
HSL	20°, 9%, 40%
HSV	20°, 16%, 44%
XYZ	12.9932, 13.0935, 12.1984
YIQ	101.9040, 9.0780, 0.6780

Conversions

Conversions Part 2

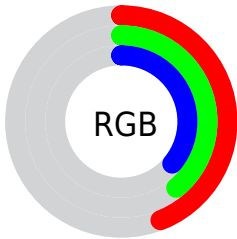
Format	Color
R_{YB}	111, 102, 93
Decimal	7299933
CIE Lab	42.90, 3.67, 5.14
CIE LCh	43, 6.321, 54.456
Yxy	13.0935, 0.3394, 0.3420
Android (android.graphics.Color)	4285490013 (0xFF6F635D)
YUV	101.9040, -4.3897, 7.9772
Hunter-Lab	36.1849, 0.7717, 5.3421

Details

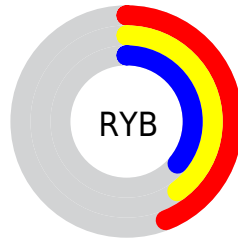
The XYZ color **12.9932, 13.0935, 12.1984** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4350, 13.5778, 17.0045**, and the grayscale version is **12.6140, 13.2709, 14.4520**.

A 20% lighter version of the original color is **30.9685, 31.5824, 30.4504**, and **3.8361, 3.8082, 3.2222** is the 20% darker color. If you saturate the color by 10%, you get **11.8678, 11.5731, 9.5712**, and if you desaturate by 10%, it is **14.2550, 14.7721, 15.2236**.

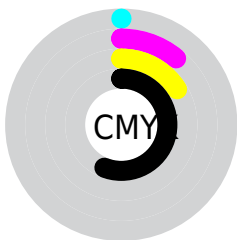
Distribution



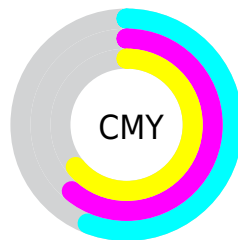
- Red (44%)
- Green (39%)
- Blue (36%)



- Red (44%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (11%)
- Yellow (16%)
- Black (56%)



- Cyan (56%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9932, 13.0935, 12.1984 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 12.9932, 13.0935, 12.1984 by changing the saturation by 10% instead.

■ 12.9932, 13.0935,
12.1984

■ 12.9932, 13.0935,
12.1984

204.5126,
211.5160, 216.7387

■ 7.5008, 7.4930,
6.7548

■ 30.8930, 31.4717,
30.5257

■ 3.8263, 3.7723,
3.2331

■ 44.0311, 45.0181,
44.2465

■ 1.6044, 1.5470,
1.2149

■ 60.4485, 61.9819,
61.5634

■ 0.3953, 0.3215,
0.0000

■ 80.5106, 82.7475,
82.8950

■ 0.0000, 0.0000,
0.0000

104.5827,
107.6994, 108.6597

133.0301,

137.2218, 139.2762

166.2183,
171.6992, 175.1630

■ 12.9932, 13.0935,
12.1984

■ 12.9932, 13.0935,
12.1984

■ 11.8678, 11.5731,
9.5712

■ 14.2550, 14.7721,
15.2236

■ 10.8728, 10.2045,
7.3243

■ 15.6566, 16.6116,
18.6615

■ 10.0037, 8.9833,
5.4403

■ 17.2026, 18.6169,
22.5274

■ 9.2549, 7.9045,
3.8996

■ 18.8972, 20.7921,
26.8353

■ 8.6206, 6.9625,
2.6813

■ 20.7444, 23.1410,
31.5987

■ 8.0943, 6.1514,
1.7616

■ 22.7479, 25.6676,
36.8305

■ 7.6690, 5.4648,
1.1139

■ 24.9114, 28.3756,
42.5430

■ 7.3311, 4.8937,
0.6788

■ 27.2385, 31.2685,
48.7482

■ 7.2176, 4.7035,
0.5275

■ 29.7325, 34.3498,
55.4576

Harmonies

Analogous

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



13.3104, 13.0935, 13.1827



12.9932, 13.0935, 12.1984



12.5350, 13.0935, 11.7677

Triad

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



12.9932, 13.0935, 12.1984



11.5425, 13.0935, 14.0009



12.8338, 13.0935, 16.8197

Complementary

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



12.9932, 13.0935, 12.1984



12.4350, 13.5778, 17.0045

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.



12.3554, 13.0935, 17.0738



12.9932, 13.0935, 12.1984



11.6179, 13.0935, 15.3873

Square

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



12.9932, 13.0935, 12.1984



11.7039, 13.0935, 12.7644



11.9124, 13.0935, 16.5342



13.2167, 13.0935, 15.8608

Rectangle

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



12.9932, 13.0935, 12.1984



12.2144, 13.0935, 11.8310



11.9124, 13.0935, 16.5342



12.6785, 13.0935, 16.9929

Sweetspot

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



12.9936, 13.0941, 12.1987



25.7844, 26.7933, 27.8887



13.0199, 12.2283, 15.0389



6.1631, 6.3955, 6.6237



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.



12.9936, 13.0941, 12.1987



22.5749, 22.5170, 20.2130



13.8941, 14.8952, 12.4989



3.4670, 3.5665, 3.5790



8.4825, 5.4975, 0.6140



41.5347, 25.9447, 2.8187

Inverse Universe

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



12.4350, 13.5778, 17.0045



21.3970, 23.5363, 30.3450



11.5665, 11.8408, 16.7150



3.3858, 3.6369, 4.2778



6.2414, 7.0732, 18.7579



30.2747, 33.6014, 93.1692

Previews

White Background



This preview shows how the XYZ color 12.9932, 13.0935, 12.1984 looks on a white background.

Color Contrast Check

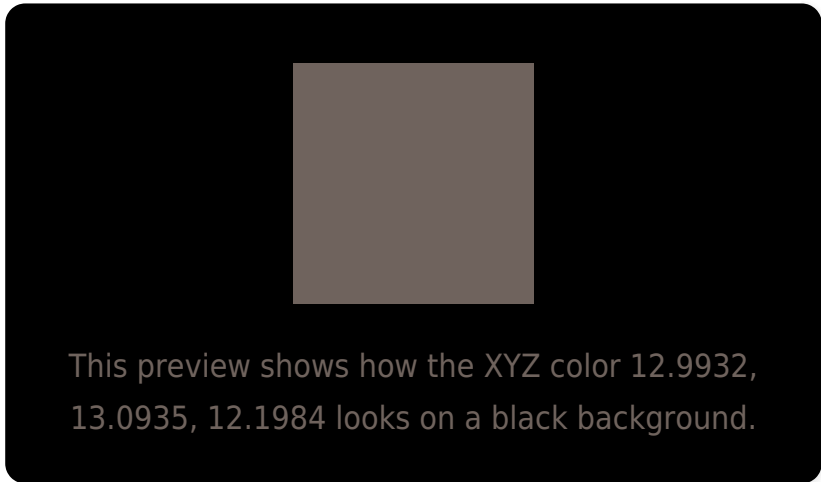
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.9932, 13.0935, 12.1984

Background



This preview shows how black text looks on a background with the XYZ color 12.9932, 13.0935, 12.1984.



This preview shows how white text looks on a background with the XYZ color 12.9932, 13.0935,

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

12.9932, 13.0935, 12.1984

Protanopia

12.4998, 13.1188, 12.4630

Deuteranopia

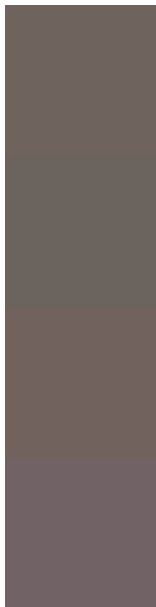
13.2829, 13.1031, 12.1850



Tritanopia

13.6345, 13.0800, 15.1707

Trichromacy



Original Color

12.9932, 13.0935, 12.1984

Protanomaly

12.6410, 13.0483, 12.4420

Deuteranomaly

13.1535, 13.0364, 12.1789

Tritanomaly

13.3987, 13.1197, 14.1381

Monochromacy



Original Color

12.9932, 13.0935, 12.1984

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7315, 13.2115, 13.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9932, 13.0935, 12.1984 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(111, 99, 93)` looks like.

```
.text, #text, p{  
    color:rgb(111, 99, 93)  
}
```

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(111, 99, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 99, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.9932, 13.0935, 12.1984 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(111, 99, 93) }
```


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

```
.border{ border-color:rgb(111, 99, 93) }
```

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

Here you see how a box with a 4 pixel rgb(111, 99, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 99, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 99, 93);  
box-shadow:4px 4px 4px 4px rgb(111, 99,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9932, 13.0935, 12.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 99, 93) }
```

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

```
.background{ background-color: rgb(111, 99,  
93) }
```

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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