

Converting Colors

XYZ(12.2599, 12.6629, 11.7113)

Have a look what the booklet for
XYZ(12.2599, 12.6629, 11.7113)
contains.

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Color

**XYZ(12.2940, 12.7432,
11.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	6A635B
RGB	106, 99, 91
RGB Percent	42%, 39%, 36%
CMY	0.5843, 0.6118, 0.6431
CMYK	0.00, 0.07, 0.14, 0.58
HSL	32°, 8%, 39%
HSV	32°, 14%, 42%
XYZ	12.2940, 12.7432, 11.7092
YIQ	100.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

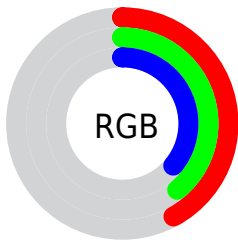
Format	Color
R_{YB}	104, 106, 91
Decimal	6972251
CIE Lab	42.37, 1.25, 5.54
CIE LCh	42, 5.676, 77.239
Yxy	12.7432, 0.3346, 0.3468
Android (android.graphics.Color)	4285162331 (0xFF6A635B)
YUV	100.1810, -4.5262, 5.1033
Hunter-Lab	35.6976, -0.9967, 5.5406

Details

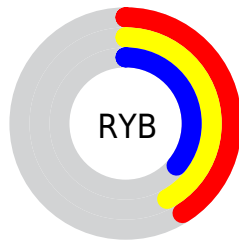
The XYZ color **12.2940, 12.7432, 11.7092** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2834, 11.9997, 15.3572**, and the grayscale version is **12.1696, 12.8034, 13.9429**.

A 20% lighter version of the original color is **29.6187, 30.9039, 29.6033**, and **3.5504, 3.6655, 3.0030** is the 20% darker color. If you saturate the color by 10%, you get **11.4146, 11.6651, 9.3172**, and if you desaturate by 10%, it is **13.2674, 13.9057, 14.4516**.

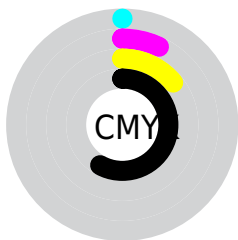
Distribution



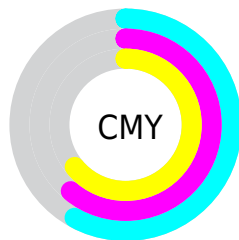
- Red (42%)
- Green (39%)
- Blue (36%)



- Red (41%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (7%)
- Yellow (14%)
- Black (58%)



- Cyan (58%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2940, 12.7432, 11.7092 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 12.2940, 12.7432, 11.7092 by changing the saturation by 10% instead.

■ 12.2940, 12.7432,
11.7092

■ 12.2940, 12.7432,
11.7092

200.0725,
209.2653, 213.3796

■ 7.0179, 7.2520,
6.4259

■ 29.6417, 30.8417,
29.6208

■ 3.5197, 3.6202,
3.0328

■ 42.4439, 44.2177,
43.0861

■ 1.4342, 1.4634,
1.1114

■ 58.4856, 60.9907,
60.1159

■ 0.2804, 0.2628,
0.0000

■ 78.1320, 81.5452,
81.1285

■ 0.0000, 0.0000,
0.0000

101.7485,
106.2655, 106.5427

129.7006,

135.5360, 136.7769

162.3534,
169.7411, 172.2497

■ 12.2940, 12.7432,
11.7092

■ 12.2940, 12.7432,
11.7092

■ 11.4146, 11.6651,
9.3172

■ 13.2674, 13.9057,
14.4516

■ 10.6249, 10.6675,
7.2604

■ 14.3369, 15.1529,
17.5570

■ 9.9219, 9.7489,
5.5238

■ 15.5055, 16.4872,
21.0386

■ 9.3020, 8.9069,
4.0907

■ 16.7762, 17.9106,
24.9086

■ 8.7612, 8.1390,
2.9430

■ 18.1514, 19.4248,
29.1785

■ 8.2951, 7.4426,
2.0607

■ 19.6339, 21.0315,
33.8595

■ 7.8989, 6.8149,
1.4213

■ 21.2259, 22.7325,
38.9622

■ 7.5648, 6.2516,
0.9860

■ 22.9299, 24.5294,
44.4971

■ 7.3850, 5.9463,
0.7585

■ 24.7481, 26.4237,
50.4739

Harmonies

Analogous

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



12.6771, 12.7432, 12.2220



12.2940, 12.7432, 11.7092



11.8707, 12.7432, 11.7516

Triad

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



12.2940, 12.7432, 11.7092



11.3459, 12.7432, 14.5826



12.7239, 12.7432, 15.5309

Complementary

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



12.2940, 12.7432, 11.7092



11.2834, 11.9997, 15.3572

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.



12.3566, 12.7432, 16.2403



12.2940, 12.7432, 11.7092



11.5640, 12.7432, 15.6711

Square

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



12.2940, 12.7432, 11.7092



11.3300, 12.7432, 13.3630



11.9319, 12.7432, 16.2930



12.9292, 12.7432, 14.4002

Rectangle

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



12.2940, 12.7432, 11.7092



11.6227, 12.7432, 12.0889



11.9319, 12.7432, 16.2930



12.6149, 12.7432, 15.8293

Sweetspot

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



12.2943, 12.7438, 11.7095



23.2919, 24.4133, 25.3834



11.8896, 11.4283, 13.1346



5.4313, 5.6895, 5.8751



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.



12.2943, 12.7438, 11.7095



21.0465, 21.7212, 19.0899



12.9270, 14.0971, 11.9373



3.2209, 3.3591, 3.2961



9.1309, 7.3115, 0.9300



45.6495, 35.5027, 4.4467

Inverse Universe

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



11.2834, 11.9997, 15.3572



18.9035, 20.1440, 26.8229



10.7066, 10.7726, 15.1507



3.0539, 3.2362, 3.8986



4.5815, 3.9972, 17.4523



22.4905, 18.6595, 88.6425

Previews

White Background



This preview shows how the XYZ color 12.2940, 12.7432, 11.7092 looks on a white background.

Color Contrast Check

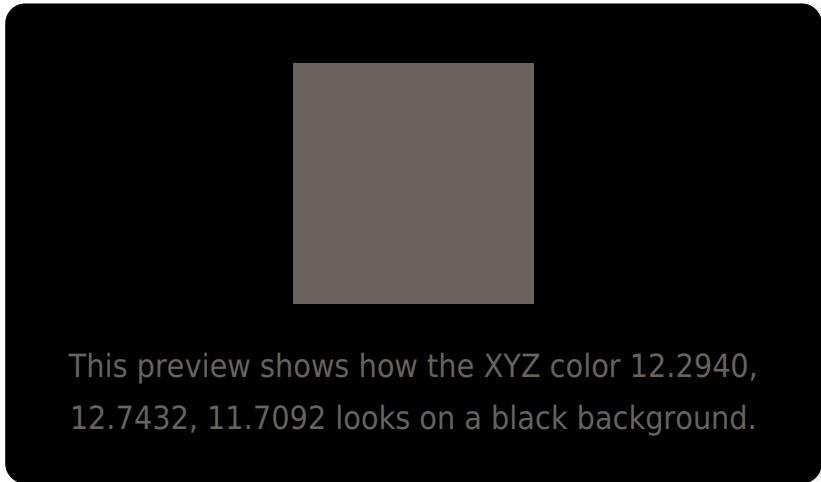
Large Text (above 18pt) WCAG AA ✓ Pass

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

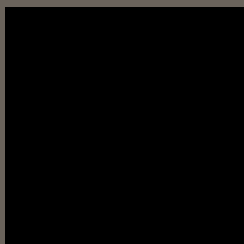
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2940, 12.7432, 11.7092

Background



This preview shows how black text looks on a background with the XYZ color 12.2940, 12.7432, 11.7092.



This preview shows how white text looks on a background with the XYZ color 12.2940, 12.7432,

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

12.2940, 12.7432, 11.7092

Protanopia

12.1544, 12.8127, 11.7300

Deuteranopia

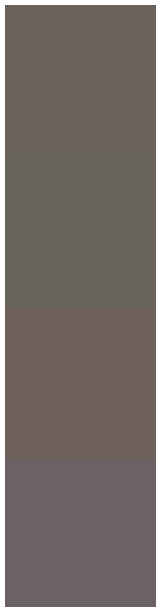
12.8813, 12.6318, 11.6568



Tritanopia

13.0088, 12.7575, 15.1414

Trichromacy



Original Color

12.2940, 12.7432, 11.7092

Protanomaly

12.2712, 12.8729, 11.7355

Deuteranomaly

12.5934, 12.6197, 11.6696

Tritanomaly

12.7313, 12.7813, 13.8526

Monochromacy



Original Color

12.2940, 12.7432, 11.7092

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1943, 12.8022, 13.1376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2940, 12.7432, 11.7092 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, 99, 91)` looks like.

```
.text, #text, p{  
    color:rgb(106, 99, 91)  
}
```

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, 99, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 99, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.2940, 12.7432, 11.7092 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, 99, 91) }
```


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

```
.border{ border-color:rgb(106, 99, 91) }
```

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

Here you see how a box with a 4 pixel rgb(106, 99, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 99, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 99, 91);  
box-shadow:4px 4px 4px 4px rgb(106, 99,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2940, 12.7432, 11.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 99, 91) }
```

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

```
.background{ background-color: rgb(106, 99,  
91) }
```

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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