

Converting Colors

XYZ(12.7206, 12.9431, 14.6963)

Have a look what the booklet for
XYZ(12.7206, 12.9431, 14.6963)
contains.

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Color

**XYZ(12.7357, 12.9062,
14.6519)**

Conversions

Conversions Part 1

Format	Color
Hex	696367
RGB	105, 99, 103
RGB Percent	41%, 39%, 40%
CMY	0.5882, 0.6118, 0.5961
CMYK	0.00, 0.06, 0.02, 0.59
HSL	320°, 3%, 40%
HSV	320°, 6%, 41%
XYZ	12.7357, 12.9062, 14.6519
YIQ	101.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

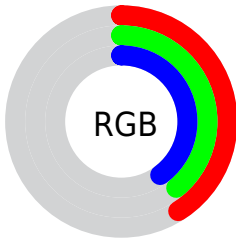
Format	Color
R_{YB}	105, 99, 103
Decimal	6906727
CIE Lab	42.62, 3.18, -1.42
CIE LCh	43, 3.480, 335.975
Yxy	12.9062, 0.3161, 0.3203
Android (android.graphics.Color)	4285096807 (0xFF696367)
YUV	101.2500, 0.8628, 3.2887
Hunter-Lab	35.9252, 0.4102, 0.9665

Details

The XYZ color **12.7357, 12.9062, 14.6519** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5466, 13.6957, 14.2948**, and the grayscale version is **12.4320, 13.0794, 14.2435**.

A 20% lighter version of the original color is **30.4494, 31.2137, 34.9918**, and **3.7318, 3.7313, 4.2649** is the 20% darker color. If you saturate the color by 10%, you get **11.6330, 10.9760, 13.4356**, and if you desaturate by 10%, it is **13.9759, 15.0992, 15.9506**.

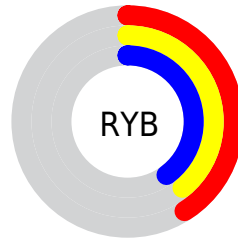
Distribution



Red (41%)

Green (39%)

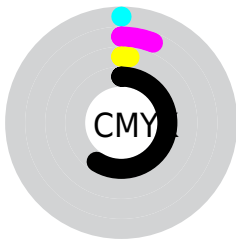
Blue (40%)



Red (41%)

Yellow (39%)

Blue (40%)

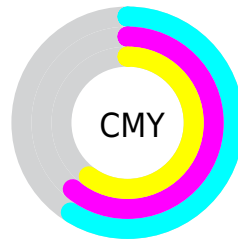


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7357, 12.9062, 14.6519 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 12.7357, 12.9062, 14.6519 by changing the saturation by 10% instead.

■ 12.7357, 12.9062,
14.6519

■ 12.7357, 12.9062,
14.6519

202.8888,
210.3156, 232.8172

■ 7.3225, 7.3640,
8.4315

■ 30.4335, 31.1352,
34.9750

■ 3.7127, 3.6908,
4.2806

■ 43.4489, 44.5907,
49.9148

■ 1.5409, 1.5021,
1.7805

■ 59.7290, 61.4528,
68.5981

■ 0.3534, 0.2902,
0.4151

■ 79.6393, 82.1059,
91.4436

■ 0.0000, 0.0000,
0.0000

103.5450,
106.9343, 118.8697

131.8116,

136.3225, 151.2949

164.8044,
170.6548, 189.1380

■ 12.7357, 12.9062,
14.6519

■ 12.7357, 12.9062,
14.6519

■ 11.6330, 10.9760,
13.4356

■ 13.9759, 15.0992,
15.9506

■ 10.6616, 9.2969,
12.2988

■ 15.3571, 17.5627,
17.3330

■ 9.8166, 7.8591,
11.2395

■ 16.8845, 20.3062,
18.8012

■ 9.0921, 6.6510,
10.2554

■ 18.5621, 23.3383,
20.3570

■ 8.4820, 5.6606,
9.3439

■ 20.3943, 26.6671,
22.0024

7.9796, 4.8743,
8.5024

22.3850, 30.3003,
23.7390

7.5772, 4.2774,
7.7277

24.5380, 34.2457,
25.5685

7.2665, 3.8529,
7.0166

26.8570, 38.5104,
27.4925

7.0279, 3.5623,
6.3621

29.3456, 43.1014,
29.5126

Harmonies

Analogous

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



12.5671, 12.9062, 15.2603



12.7357, 12.9062, 14.6519



12.7779, 12.9062, 13.9021

Triad

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



12.7357, 12.9062, 14.6519



12.2143, 12.9062, 12.6580



11.8614, 12.9062, 14.9227

Complementary

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



12.7357, 12.9062, 14.6519



12.5466, 13.6957, 14.2948

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.



11.7698, 12.9062, 14.2043



12.7357, 12.9062, 14.6519



11.9716, 12.9062, 12.9105

Square

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



12.7357, 12.9062, 14.6519



12.4744, 12.9062, 12.7682



11.8099, 12.9062, 13.4700



12.0618, 12.9062, 15.4205

Rectangle

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



12.7357, 12.9062, 14.6519



12.7282, 12.9062, 13.4265



11.8099, 12.9062, 13.4700



11.8170, 12.9062, 14.6980

Sweetspot

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



12.7361, 12.9068, 14.6522



23.5878, 24.4905, 27.0689



12.3790, 12.7109, 15.1657



5.5344, 5.7527, 6.3503



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.



12.7361, 12.9068, 14.6522



22.4959, 22.5668, 25.9027



12.5882, 12.8476, 13.8735



3.2293, 3.2398, 3.7184



8.7586, 4.3556, 7.6232



44.2140, 22.0276, 36.6593

Inverse Universe

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



12.7361, 12.9068, 14.6522



22.4959, 22.5668, 25.9027



12.6962, 13.7555, 15.0828



3.2293, 3.2398, 3.7184



8.7586, 4.3556, 7.6232



44.2140, 22.0276, 36.6593

Previews

White Background



This preview shows how the XYZ color 12.7357, 12.9062, 14.6519 looks on a white background.

Color Contrast Check

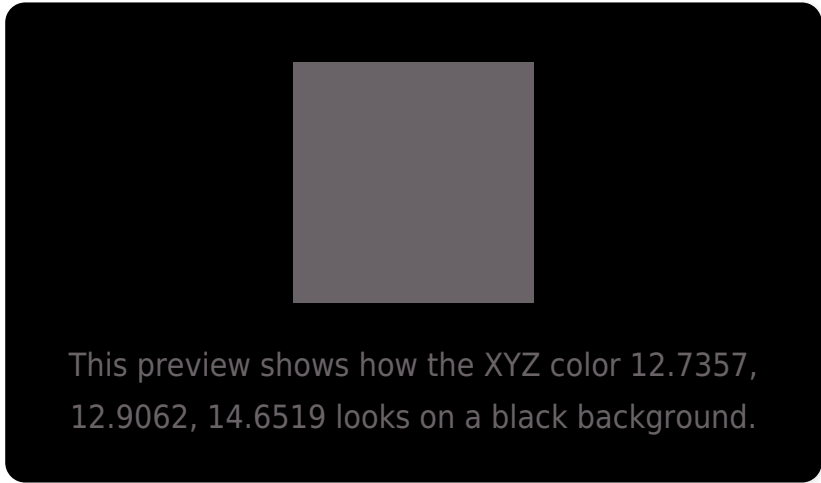
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7357, 12.9062, 14.6519

Background



This preview shows how black text looks on a background with the XYZ color 12.7357, 12.9062, 14.6519.



This preview shows how white text looks on a background with the XYZ color 12.7357, 12.9062,

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

12.7357, 12.9062, 14.6519

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

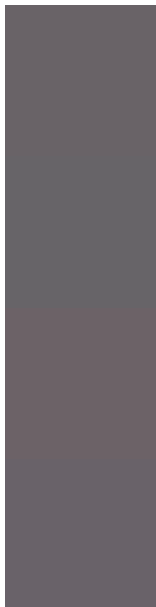
13.1225, 12.9658, 14.6430



Tritanopia

12.7949, 12.7792, 15.4279

Trichromacy



Original Color

12.7357, 12.9062, 14.6519

Protanomaly

12.6494, 12.9974, 14.9388

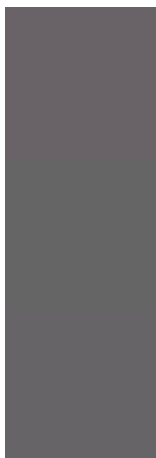
Deuteranomaly

13.0002, 12.9028, 14.6373

Tritanomaly

12.7432, 12.7585, 15.1556

Monochromacy



Original Color

12.7357, 12.9062, 14.6519

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4349, 12.8984, 14.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7357, 12.9062, 14.6519 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(105, 99, 103) looks like.

```
.text, #text, p{  
    color:rgb(105, 99, 103)  
}
```

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(105, 99, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 99, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.7357, 12.9062, 14.6519 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(105, 99, 103) }
```


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

```
.border{ border-color:rgb(105, 99, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 99, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 99, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 99, 103); box-shadow:4px 4px 4px 4px rgb(105, 99, 103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7357, 12.9062, 14.6519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 99, 103) }
```

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

```
.background{ background-color: rgb(105, 99,  
103) }
```

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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