

Converting Colors

XYZ(12.7428, 12.7128, 15.4973)

Have a look what the booklet for
XYZ(12.7428, 12.7128, 15.4973)
contains.

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Color

**XYZ(12.7949, 12.7792,
15.4279)**

Conversions

Conversions Part 1

Format	Color
Hex	69626A
RGB	105, 98, 106
RGB Percent	41%, 38%, 42%
CMY	0.5882, 0.6157, 0.5843
CMYK	0.01, 0.08, 0.00, 0.58
HSL	293°, 4%, 40%
HSV	293°, 8%, 42%
XYZ	12.7949, 12.7792, 15.4279
YIQ	101.0050, 1.6040, 3.9720

Conversions

Conversions Part 2

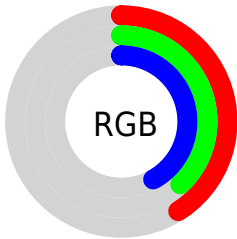
Format	Color
R_{YB}	105, 98, 106
Decimal	6906474
CIE _{Lab}	42.43, 4.41, -3.53
CIE _{LCh}	42, 5.644, 321.316
Yxy	12.7792, 0.3121, 0.3117
Android (android.graphics.Color)	4285096554 (0xFF69626A)
YUV	101.0050, 2.4625, 3.5036
Hunter-Lab	35.7480, 1.3296, -0.5644

Details

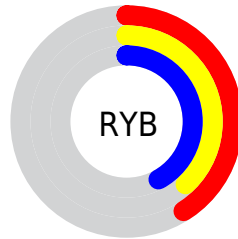
The XYZ color **12.7949, 12.7792, 15.4279** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5046, 13.8428, 13.5687**, and the grayscale version is **12.3648, 13.0087, 14.1665**.

A 20% lighter version of the original color is **30.5436, 30.9971, 36.2715**, and **3.7623, 3.6713, 4.6480** is the 20% darker color. If you saturate the color by 10%, you get **11.7138, 10.8461, 15.1119**, and if you desaturate by 10%, it is **14.0105, 14.9774, 15.7883**.

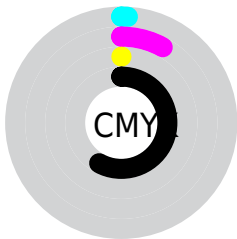
Distribution



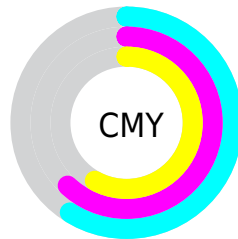
- Red (41%)
- Green (38%)
- Blue (42%)



- Red (41%)
- Yellow (38%)
- Blue (42%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7949, 12.7792, 15.4279 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 12.7949, 12.7792, 15.4279 by changing the saturation by 10% instead.

■ 12.7949, 12.7792,
15.4279

■ 12.7949, 12.7792,
15.4279

203.2633,
209.4977, 237.6711

■ 7.3635, 7.2767,
8.9703

■ 30.5393, 30.9065,
36.3550

■ 3.7388, 3.6357,
4.6253

■ 43.5830, 44.3001,
51.6615

■ 1.5554, 1.4720,
1.9743

■ 59.8948, 61.0929,
70.7548

■ 0.3631, 0.2689,
0.5394

■ 79.8401, 81.6692,
94.0534

■ 0.0000, 0.0000,
0.0000

103.7842,
106.4134, 121.9757

132.0926,

135.7100, 154.9405

165.1305,
169.9433, 193.3661

■ 12.7949, 12.7792,
15.4279

■ 12.7949, 12.7792,
15.4279

■ 11.7138, 10.8461,
15.1119

■ 14.0105, 14.9774,
15.7883

■ 10.7610, 9.1661,
14.8379

■ 15.3644, 17.4488,
16.1940

■ 9.9314, 7.7290,
14.6042

■ 16.8616, 20.2030,
16.6467

■ 9.2192, 6.5229,
14.4090

■ 18.5064, 23.2489,
17.1479

■ 8.6178, 5.5353,
14.2500

■ 20.3030, 26.5949,
17.6991

8.1205, 4.7521,
14.1251

22.2555, 30.2489,
18.3015

7.7194, 4.1578,
14.0315

24.3678, 34.2187,
18.9564

7.4056, 3.7347,
13.9664

26.6436, 38.5119,
19.6651

7.1519, 3.4284,
13.9206

29.0865, 43.1355,
20.4288

Harmonies

Analogous

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



12.4455, 12.7792, 16.2088



12.7949, 12.7792, 15.4279



12.9715, 12.7792, 14.2705

Triad

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



12.7949, 12.7792, 15.4279



12.2700, 12.7792, 11.7282



11.4013, 12.7792, 14.7819

Complementary

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



12.7949, 12.7792, 15.4279



12.5046, 13.8428, 13.5687

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.



11.3568, 12.7792, 13.5642



12.7949, 12.7792, 15.4279



11.8518, 12.7792, 11.8474

Square

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



12.7949, 12.7792, 15.4279



12.6638, 12.7792, 12.1675



11.5199, 12.7792, 12.5032



11.6430, 12.7792, 15.8210

Rectangle

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



12.7949, 12.7792, 15.4279



12.9647, 12.7792, 13.4605



11.5199, 12.7792, 12.5032



11.3630, 12.7792, 14.3783

Sweetspot

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



12.7953, 12.7798, 15.4282



23.5971, 24.4877, 27.4139



12.1072, 12.5741, 15.4248



5.5364, 5.7521, 6.4243



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.



12.7953, 12.7798, 15.4282



22.1162, 21.8183, 26.9767



12.7634, 12.7807, 14.6440



3.1822, 3.1457, 3.8743



8.7809, 4.1538, 17.2612



44.2428, 20.9076, 87.9299

Inverse Universe

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



12.5641, 12.7009, 13.5942



21.6256, 21.6514, 23.0688



12.5371, 13.8433, 14.3065



3.1137, 3.1224, 3.3293



7.4603, 3.8362, 0.7866



37.8284, 19.4733, 3.0334

Previews

White Background



This preview shows how the XYZ color 12.7949, 12.7792, 15.4279 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 12.7949, 12.7792, 15.4279 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 12.7949, 12.7792, 15.4279

Background



This preview shows how black text looks on a background with the XYZ color 12.7949, 12.7792, 15.4279.



This preview shows how white text looks on a background with the XYZ color 12.7949, 12.7792,

15.4279.

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

12.7949, 12.7792, 15.4279

Protanopia

12.4665, 12.8852, 15.7400

Deuteranopia

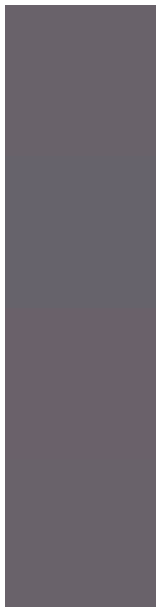
12.9396, 12.7158, 15.4081



Tritanopia

12.7949, 12.7792, 15.4279

Trichromacy



Original Color

12.7949, 12.7792, 15.4279

Protanomaly

12.5952, 12.8100, 15.7187

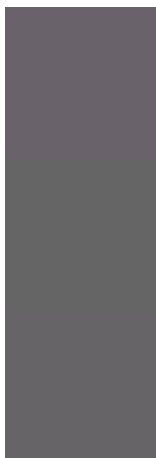
Deuteranomaly

12.8201, 12.6542, 15.4025

Tritanomaly

12.7949, 12.7792, 15.4279

Monochromacy



Original Color

12.7949, 12.7792, 15.4279

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4848, 12.9184, 14.6674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7949, 12.7792, 15.4279 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, 98, 106) looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 106)  
}
```

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, 98, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.7949, 12.7792, 15.4279 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, 98, 106) }
```


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

```
.border{ border-color:rgb(105, 98, 106) }
```

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

Here you see how a box with a 4 pixel rgb(105, 98, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 98, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 98, 106);  
box-shadow:4px 4px 4px 4px rgb(105, 98,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7949, 12.7792, 15.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 106) }
```

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

```
.background{ background-color: rgb(105, 98,  
106) }
```

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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