

Converting Colors

XYZ(12.7859, 12.5659, 14.8128)

Have a look what the booklet for
XYZ(12.7859, 12.5659, 14.8128)
contains.

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Color

**XYZ(12.7450, 12.4910,
14.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6068
RGB	107, 96, 104
RGB Percent	42%, 38%, 41%
CMY	0.5804, 0.6235, 0.5922
CMYK	0.00, 0.10, 0.03, 0.58
HSL	316°, 5%, 40%
HSV	316°, 10%, 42%
XYZ	12.7450, 12.4910, 14.8360
YIQ	100.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

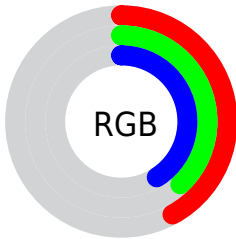
Format	Color
R_{YB}	107, 96, 104
Decimal	7037032
CIE _{Lab}	41.99, 5.98, -2.94
CIE _{LCh}	42, 6.663, 333.820
Yxy	12.4910, 0.3181, 0.3117
Android (android.graphics.Color)	4285227112 (0xFF6B6068)
YUV	100.2010, 1.8729, 5.9627
Hunter-Lab	35.3426, 2.5198, -0.1487

Details

The XYZ color **12.7450, 12.4910, 14.8360** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3342, 13.9035, 13.8386**, and the grayscale version is **12.1594, 12.7926, 13.9311**.

A 20% lighter version of the original color is **30.4507, 30.5031, 35.2931**, and **3.7426, 3.5373, 4.3564** is the 20% darker color. If you saturate the color by 10%, you get **11.6889, 10.6118, 13.7652**, and if you desaturate by 10%, it is **13.9399, 14.6392, 15.9787**.

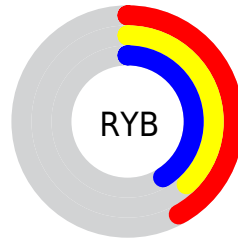
Distribution



Red (42%)

Green (38%)

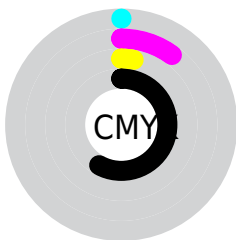
Blue (41%)



Red (42%)

Yellow (38%)

Blue (41%)

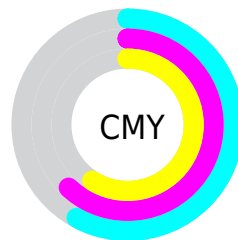


Cyan (0%)

Magenta (10%)

Yellow (3%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7450, 12.4910, 14.8360 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 12.7450, 12.4910, 14.8360 by changing the saturation by 10% instead.

■ 12.7450, 12.4910,
14.8360

■ 12.7450, 12.4910,
14.8360

202.9477,
207.6293, 233.9779

■ 7.3290, 7.0790,
8.5590

■ 30.4501, 30.3863,
35.3034

■ 3.7168, 3.5116,
4.3618

■ 43.4699, 43.6383,
50.3310

■ 1.5432, 1.4043,
1.8259

■ 59.7551, 60.2725,
69.1125

■ 0.3550, 0.2199,
0.4449

■ 79.6708, 80.6732,
92.0664

■ 0.0000, 0.0000,
0.0000

103.5826,
105.2248, 119.6114

131.8558,

134.3118, 152.1660

164.8557,
168.3185, 190.1486

■ 12.7450, 12.4910,
14.8360

■ 12.7450, 12.4910,
14.8360

■ 11.6889, 10.6118,
13.7652

■ 13.9399, 14.6392,
15.9787

■ 10.7650, 8.9891,
12.7634

■ 15.2775, 17.0648,
17.1944

■ 9.9681, 7.6123,
11.8287

■ 16.7631, 19.7778,
18.4853

■ 9.2919, 6.4689,
10.9588

■ 18.4012, 22.7875,
19.8530

■ 8.7297, 5.5457,
10.1513

■ 20.1962, 26.1025,
21.2994

■ 8.2742, 4.8280,
9.4033

■ 22.1524, 29.7311,
22.8260

■ 7.9170, 4.2993,
8.7118

■ 24.2737, 33.6813,
24.4344

■ 7.6486, 3.9405,
8.0734

■ 26.5641, 37.9610,
26.1262

■ 7.4320, 3.6732,
7.4898

■ 29.0273, 42.5775,
27.9028

Harmonies

Analogous

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



12.4087, 12.4910, 15.9873



12.7450, 12.4910, 14.8360



12.8452, 12.4910, 13.4202

Triad

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



12.7450, 12.4910, 14.8360



11.8092, 12.4910, 11.0636



11.1008, 12.4910, 15.1710

Complementary

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



12.7450, 12.4910, 14.8360



12.3342, 13.9035, 13.8386

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.



10.9499, 12.4910, 13.7825



12.7450, 12.4910, 14.8360



11.3516, 12.4910, 11.4641

Square

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



12.7450, 12.4910, 14.8360



12.2962, 12.4910, 11.3032



11.0404, 12.4910, 12.4357



11.4583, 12.4910, 16.1899

Rectangle

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



12.7450, 12.4910, 14.8360



12.7623, 12.4910, 12.5316



11.0404, 12.4910, 12.4357



11.0247, 12.4910, 14.7287

Sweetspot

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



12.7454, 12.4915, 14.8363



24.3352, 25.0846, 28.0245



11.9755, 12.0768, 15.6101



5.8533, 6.0052, 6.7483



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7454, 12.4915, 14.8363



22.4123, 21.6354, 26.1605



12.4782, 12.3847, 13.4294



3.1841, 3.1505, 3.6996



9.0282, 4.4634, 9.0430



45.6245, 22.5917, 44.0867

Inverse Universe

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



12.7454, 12.4915, 14.8363



22.4123, 21.6354, 26.1605



12.6028, 14.0109, 15.2529



3.1841, 3.1505, 3.6996



9.0282, 4.4634, 9.0430



45.6245, 22.5917, 44.0867

Previews

White Background



This preview shows how the XYZ color 12.7450, 12.4910, 14.8360 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 12.7450, 12.4910, 14.8360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

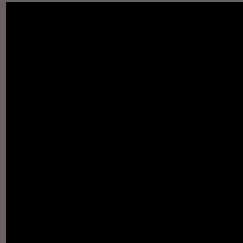
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7450, 12.4910, 14.8360

Background



This preview shows how black text looks on a background with the XYZ color 12.7450, 12.4910, 14.8360.

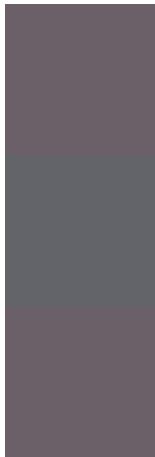


This preview shows how white text looks on a background with the XYZ color 12.7450, 12.4910,

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

12.7450, 12.4910, 14.8360

Protanopia

12.2089, 12.6169, 15.4275

Deuteranopia

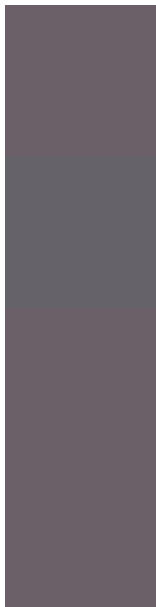
12.7450, 12.4910, 14.8360



Tritanopia

12.7450, 12.4910, 14.8360

Trichromacy



Original Color

12.7450, 12.4910, 14.8360

Protanomaly

12.3970, 12.5801, 15.1394

Deuteranomaly

12.7450, 12.4910, 14.8360

Tritanomaly

12.7450, 12.4910, 14.8360

Monochromacy



Original Color

12.7450, 12.4910, 14.8360

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4043, 12.7468, 14.1185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7450, 12.4910, 14.8360 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(107, 96, 104)` looks like.

```
.text, #text, p{  
    color:rgb(107, 96, 104)  
}
```

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(107, 96, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 96, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.7450, 12.4910, 14.8360 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(107, 96, 104) }
```


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

```
.border{ border-color:rgb(107, 96, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 96, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 96, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 96, 104); box-shadow:4px 4px 4px 4px rgb(107, 96, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7450, 12.4910, 14.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 96, 104) }
```

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

```
.background{ background-color: rgb(107, 96,  
104) }
```

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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