

Converting Colors

XYZ(12.8225, 13.6423, 10.9721)

Have a look what the booklet for
XYZ(12.8225, 13.6423, 10.9721)
contains.

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Color

**XYZ(12.7549, 13.5768,
10.9651)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6757
RGB	108, 103, 87
RGB Percent	42%, 40%, 34%
CMY	0.5765, 0.5961, 0.6588
CMYK	0.00, 0.05, 0.19, 0.58
HSL	46°, 11%, 38%
HSV	46°, 19%, 42%
XYZ	12.7549, 13.5768, 10.9651
YIQ	102.6710, 8.1160, -3.9160

Conversions

Conversions Part 2

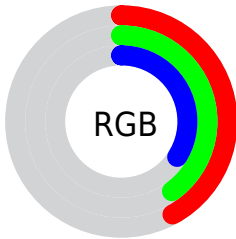
Format	Color
RYB	94, 108, 87
Decimal	7104343
CIELab	43.62, -1.00, 9.74
CIELCh	44, 9.794, 95.836
Yxy	13.5768, 0.3420, 0.3640
Android (android.graphics.Color)	4285294423 (0xFF6C6757)
YUV	102.6710, -7.7258, 4.6735
Hunter-Lab	36.8467, -2.6920, 8.1488

Details

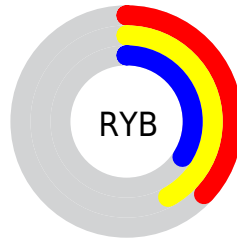
The XYZ color **12.7549, 13.5768, 10.9651** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4643, 10.7629, 15.7134**, and the grayscale version is **12.8238, 13.4917, 14.6924**.

A 20% lighter version of the original color is **30.5682, 32.3909, 28.3079**, and **3.6956, 3.9562, 2.7593** is the 20% darker color. If you saturate the color by 10%, you get **12.0947, 12.9104, 8.7286**, and if you desaturate by 10%, it is **13.4897, 14.2865, 13.5526**.

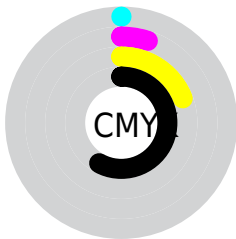
Distribution



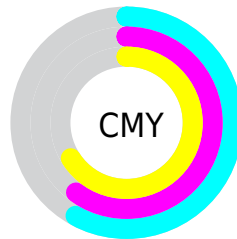
- Red (42%)
- Green (40%)
- Blue (34%)



- Red (37%)
- Yellow (42%)
- Blue (34%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7549, 13.5768, 10.9651 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 12.7549, 13.5768, 10.9651 by changing the saturation by 10% instead.

■ 12.7549, 13.5768,
10.9651

■ 12.7549, 13.5768,
10.9651

203.0103,
214.5819, 208.1568

■ 7.3358, 7.8269,
5.9295

■ 30.4678, 32.3362,
28.2313

■ 3.7212, 3.9844,
2.7342

■ 43.4924, 46.1145,
41.2989

■ 1.5456, 1.6648,
0.9606

■ 59.7828, 63.3378,
57.8810

■ 0.3566, 0.4007,
0.0000

■ 79.7044, 84.3904,
78.3961

■ 0.0000, 0.0000,
0.0000

■ 103.6226,
109.6567, 103.2626

131.9028,

139.5211, 132.8992

164.9102,
174.3681, 167.7245

■ 12.7549, 13.5768,
10.9651

■ 12.7549, 13.5768,
10.9651

■ 12.0947, 12.9104,
8.7286

■ 13.4897, 14.2865,
13.5526

■ 11.5050, 12.2842,
6.8268

■ 14.3009, 15.0391,
16.5046

■ 10.9831, 11.6975,
5.2434

■ 15.1915, 15.8361,
19.8352

■ 10.5253, 11.1487,
3.9604

■ 16.1639, 16.6788,
23.5572

■ 10.1280, 10.6361,
2.9581

■ 17.2207, 17.5683,
27.6830

■ 9.7867, 10.1580,
2.2141

■ 18.3640, 18.5055,
32.2243

■ 9.4966, 9.7123,
1.7030

■ 19.5961, 19.4914,
37.1925

■ 9.2385, 9.2910,
1.3237

■ 20.9191, 20.5270,
42.5984

■ 9.2243, 9.2681,
1.3027

■ 22.3351, 21.6132,
48.4525

Harmonies

Analogous

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



13.5178, 13.5768, 11.2530



12.7549, 13.5768, 10.9651



12.0597, 13.5768, 11.6150

Triad

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



12.7549, 13.5768, 10.9651



11.7448, 13.5768, 17.3973



14.2978, 13.5768, 16.5809

Complementary

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



12.7549, 13.5768, 10.9651



10.4643, 10.7629, 15.7134

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.



13.7876, 13.5768, 18.4798



12.7549, 13.5768, 10.9651



12.3098, 13.5768, 18.9829

Square

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



12.7549, 13.5768, 10.9651



11.4915, 13.5768, 15.2167



13.0549, 13.5768, 19.3974



14.4285, 13.5768, 14.3573

Rectangle

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



12.7549, 13.5768, 10.9651



11.7216, 13.5768, 12.5346



13.0549, 13.5768, 19.3974



14.1641, 13.5768, 17.2849

Sweetspot

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



12.7553, 13.5774, 10.9654



24.1350, 25.5067, 25.4219



11.5354, 10.7818, 11.6558



5.8266, 6.1596, 6.0984



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.



12.7553, 13.5774, 10.9654



21.8931, 23.3383, 17.5361



12.6479, 14.2821, 11.1071



3.2751, 3.4676, 3.3141



10.9811, 11.0120, 1.5468



55.2605, 54.7247, 7.6504

Inverse Universe

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



10.4643, 10.7629, 15.7134



17.1428, 17.5031, 27.3826



10.5537, 10.1874, 15.5976



3.0015, 3.1314, 3.8811



3.6418, 2.1178, 17.1391



17.9768, 9.6322, 87.1379

Previews

White Background



This preview shows how the XYZ color 12.7549, 13.5768, 10.9651 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 12.7549, 13.5768, 10.9651 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

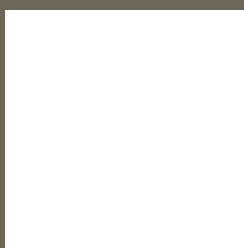
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7549, 13.5768, 10.9651

Background



This preview shows how black text looks on a background with the XYZ color 12.7549, 13.5768, 10.9651.



This preview shows how white text looks on a background with the XYZ color 12.7549, 13.5768,

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

12.7549, 13.5768, 10.9651

Protanopia

12.8772, 13.6398, 10.9709

Deuteranopia

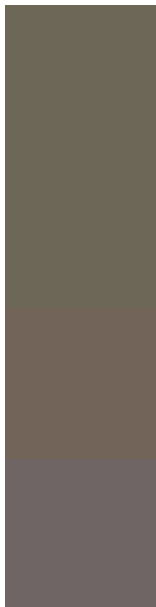
13.6945, 13.4798, 11.1126



Tritanopia

13.8195, 13.5766, 16.0795

Trichromacy



Original Color

12.7549, 13.5768, 10.9651

Protanomaly

12.8772, 13.6398, 10.9709

Deuteranomaly

13.2581, 13.3963, 11.1195

Tritanomaly

13.3843, 13.5425, 13.9651

Monochromacy



Original Color

12.7549, 13.5768, 10.9651

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8336, 13.5668, 13.2515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7549, 13.5768, 10.9651 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(108, 103, 87)` looks like.

```
.text, #text, p{  
    color:rgb(108, 103, 87)  
}
```

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(108, 103, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 103, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.7549, 13.5768, 10.9651 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(108, 103, 87) }
```


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

```
.border{ border-color:rgb(108, 103, 87) }
```

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

Here you see how a box with a 4 pixel rgb(108, 103, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 103, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 103, 87);  
box-shadow:4px 4px 4px 4px rgb(108, 103,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7549, 13.5768, 10.9651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 103, 87) }
```

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

```
.background{ background-color: rgb(108,  
103, 87) }
```

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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