

Converting Colors

XYZ(12.7521, 13.2516, 10.5452)

Have a look what the booklet for
XYZ(12.7521, 13.2516, 10.5452)
contains.

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Color

**XYZ(12.7238, 13.2782,
10.4867)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6555
RGB	110, 101, 85
RGB Percent	43%, 40%, 33%
CMY	0.5686, 0.6039, 0.6667
CMYK	0.00, 0.08, 0.23, 0.57
HSL	38°, 13%, 38%
HSV	38°, 23%, 43%
XYZ	12.7238, 13.2782, 10.4867
YIQ	101.8670, 10.5000, -3.0680

Conversions

Conversions Part 2

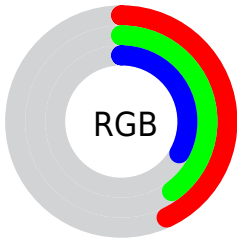
Format	Color
RYB	99, 110, 85
Decimal	7234901
CIELab	43.18, 0.69, 10.36
CIELCh	43, 10.381, 86.167
Yxy	13.2782, 0.3487, 0.3639
Android (android.graphics.Color)	4285424981 (0xFF6E6555)
YUV	101.8670, -8.3154, 7.1326
Hunter-Lab	36.4393, -1.4404, 8.4447

Details

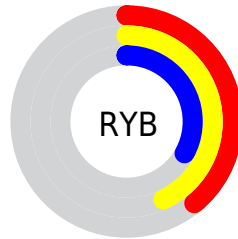
The XYZ color **12.7238, 13.2782, 10.4867** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5635, 11.0624, 16.3305**, and the grayscale version is **12.6139, 13.2709, 14.4520**.

A 20% lighter version of the original color is **30.5017, 31.8871, 27.4689**, and **3.6888, 3.8157, 2.5496** is the 20% darker color. If you saturate the color by 10%, you get **11.9453, 12.3669, 8.2362**, and if you desaturate by 10%, it is **13.5895, 14.2550, 13.1018**.

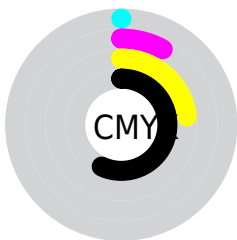
Distribution



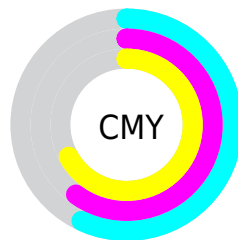
- Red (43%)
- Green (40%)
- Blue (33%)



- Red (39%)
- Yellow (43%)
- Blue (33%)



- Cyan (0%)
- Magenta (8%)
- Yellow (23%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7238, 13.2782, 10.4867 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 12.7238, 13.2782, 10.4867 by changing the saturation by 10% instead.

■ 12.7238, 13.2782,
10.4867

■ 12.7238, 13.2782,
10.4867

202.8135,
212.6930, 204.7207

■ 7.3143, 7.6204,
5.6130

■ 30.4122, 31.8027,
27.3290

■ 3.7075, 3.8530,
2.5463

■ 43.4219, 45.4382,
40.1347

■ 1.5380, 1.5917,
0.8645

■ 59.6957, 62.5016,
56.4215

■ 0.3515, 0.3520,
0.0000

■ 79.5989, 83.3775,
76.6079

■ 0.0000, 0.0000,
0.0000

■ 103.4969,
108.4502, 101.1125

131.7551,

138.1041, 130.3538

164.7388,
172.7235, 164.7504

■ 12.7238, 13.2782,
10.4867

■ 12.7238, 13.2782,
10.4867

■ 11.9453, 12.3669,
8.2362

■ 13.5895, 14.2550,
13.1018

■ 11.2495, 11.5174,
6.3329

■ 14.5446, 15.2970,
16.0963

■ 10.6331, 10.7286,
4.7593

■ 15.5923, 16.4066,
19.4849

■ 10.0923, 9.9983,
3.4958

■ 16.7356, 17.5852,
23.2816

■ 9.6226, 9.3244,
2.5210

■ 17.9771, 18.8344,
27.4994

■ 9.2192, 8.7045,
1.8104

■ 19.3195, 20.1554,
32.1509

■ 8.8758, 8.1356,
1.3323

■ 20.7652, 21.5498,
37.2482

■ 8.6463, 7.7466,
1.0395

■ 22.3167, 23.0188,
42.8028

■ 23.9763, 24.5637,
48.8259

Harmonies

Analogous

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



13.4980, 13.2782, 11.0933



12.7238, 13.2782, 10.4867



11.9532, 13.2782, 10.8479

Triad

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



12.7238, 13.2782, 10.4867



11.2876, 13.2782, 16.4923



13.9442, 13.2782, 17.0563

Complementary

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



12.7238, 13.2782, 10.4867



10.5635, 11.0624, 16.3305

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.



13.3123, 13.2782, 18.7908



12.7238, 13.2782, 10.4867



11.7820, 13.2782, 18.4417

Square

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



12.7238, 13.2782, 10.4867



11.1448, 13.2782, 14.1648



12.5178, 13.2782, 19.3226



14.2211, 13.2782, 14.7547

Rectangle

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



12.7238, 13.2782, 10.4867



11.5414, 13.2782, 11.6120



12.5178, 13.2782, 19.3226



13.7649, 13.2782, 17.7341

Sweetspot

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



12.7242, 13.2788, 10.4870



24.7751, 26.0337, 25.8386



11.7070, 10.6234, 12.0626



5.7515, 6.0431, 5.9695



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.



12.7242, 13.2788, 10.4870



21.6443, 22.5064, 16.3652



13.2392, 14.9131, 10.7753



3.5458, 3.7240, 3.6053



10.3588, 9.2500, 1.2395



50.7632, 44.4016, 5.8949

Inverse Universe

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



10.5635, 11.0624, 16.3305



17.1728, 17.9203, 28.4611



10.1193, 9.7140, 16.0937



3.3068, 3.4788, 4.2514



4.2499, 3.0902, 18.0941



20.4173, 13.8864, 89.8834

Previews

White Background



This preview shows how the XYZ color 12.7238, 13.2782, 10.4867 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 12.7238, 13.2782, 10.4867 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 12.7238, 13.2782, 10.4867

Background



This preview shows how black text looks on a background with the XYZ color 12.7238, 13.2782, 10.4867.

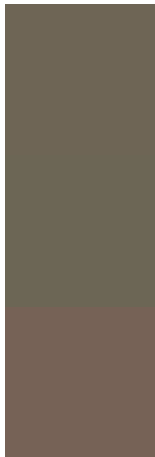


This preview shows how white text looks on a background with the XYZ color 12.7238, 13.2782,

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

12.7238, 13.2782, 10.4867

Protanopia

12.5754, 13.3468, 10.5077

Deuteranopia

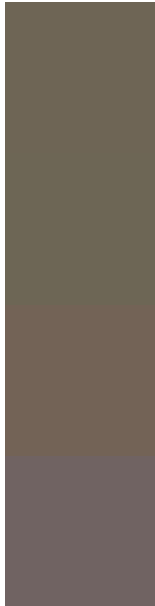
13.5186, 13.2588, 10.6508



Tritanopia

13.7793, 13.2867, 15.4740

Trichromacy



Original Color

12.7238, 13.2782, 10.4867

Protanomaly

12.6977, 13.4098, 10.5134

Deuteranomaly

13.2118, 13.2404, 10.6634

Tritanomaly

13.3485, 13.2503, 13.4093

Monochromacy



Original Color

12.7238, 13.2782, 10.4867

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6884, 13.3505, 12.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7238, 13.2782, 10.4867 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(110, 101, 85)` looks like.

```
.text, #text, p{  
    color:rgb(110, 101, 85)  
}
```

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(110, 101, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 101, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.7238, 13.2782, 10.4867 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(110, 101, 85) }
```


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

```
.border{ border-color:rgb(110, 101, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 101, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 101, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 101, 85);  
box-shadow:4px 4px 4px 4px rgb(110, 101,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7238, 13.2782, 10.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 101, 85) }
```

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

```
.background{ background-color: rgb(110,  
101, 85) }
```

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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