

Converting Colors

XYZ(12.7342, 14.5316, 13.6818)

Have a look what the booklet for
XYZ(12.7342, 14.5316, 13.6818)
contains.

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Color

**XYZ(12.8175, 14.6304,
13.7037)**

Conversions

Conversions Part 1

Format	Color
Hex	626E62
RGB	98, 110, 98
RGB Percent	38%, 43%, 38%
CMY	0.6157, 0.5686, 0.6157
CMYK	0.11, 0.00, 0.11, 0.57
HSL	120°, 6%, 41%
HSV	120°, 11%, 43%
XYZ	12.8175, 14.6304, 13.7037
YIQ	105.0440, -3.3000, -6.2760

Conversions

Conversions Part 2

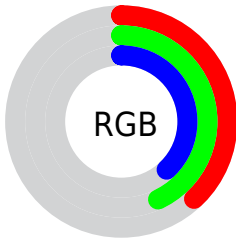
Format	Color
R_{YB}	98, 110, 110
Decimal	6450786
CIE Lab	45.12, -7.06, 5.16
CIE LCh	45, 8.744, 143.851
Yxy	14.6304, 0.3115, 0.3555
Android (android.graphics.Color)	4284640866 (0xFF626E62)
YUV	105.0440, -3.4727, -6.1776
Hunter-Lab	38.2497, -7.1215, 5.5330

Details

The XYZ color **12.8175, 14.6304, 13.7037** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6130, 13.1764, 16.5782**, and the grayscale version is **13.4492, 14.1497, 15.4090**.

A 20% lighter version of the original color is **30.7396, 34.4001, 33.4535**, and **3.7077, 4.3970, 3.9021** is the 20% darker color. If you saturate the color by 10%, you get **11.2271, 13.8669, 11.1020**, and if you desaturate by 10%, it is **14.6433, 15.5079, 16.6896**.

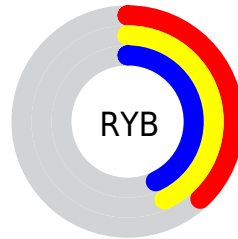
Distribution



Red (38%)

Green (43%)

Blue (38%)



Red (38%)

Yellow (43%)

Blue (43%)

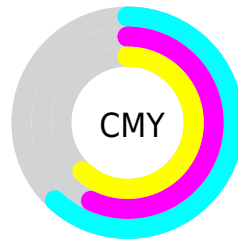


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (57%)



Cyan (62%)

Magenta (57%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8175, 14.6304, 13.7037 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 12.8175, 14.6304, 13.7037 by changing the saturation by 10% instead.

■ 12.8175, 14.6304,
13.7037

■ 12.8175, 14.6304,
13.7037

203.4060,
221.1181, 226.7436

■ 7.3791, 8.5604,
7.7785

■ 30.5796, 34.2035,
33.2719

■ 3.7487, 4.4556,
3.8678

■ 43.6341, 48.4753,
47.7519

■ 1.5610, 1.9315,
1.5531

■ 59.9580, 66.2500,
65.9207

■ 0.3668, 0.5672,
0.2570

■ 79.9166, 87.9117,
88.1966

■ 0.0000, 0.0000,
0.0000

103.8754,
113.8450, 114.9984

132.1997,

144.4343, 146.7444

165.2548,
180.0638, 183.8533

■ 12.8175, 14.6304,
13.7037

■ 12.8175, 14.6304,
13.7037

■ 11.2271, 13.8669,
11.1020

■ 14.6433, 15.5079,
16.6896

■ 9.8613, 13.2108,
8.8681

■ 16.7122, 16.5017,
20.0735

■ 8.7104, 12.6580,
6.9856

■ 19.0331, 17.6165,
23.8696

■ 7.7634, 12.2031,
5.4367

■ 21.6141, 18.8563,
28.0910

■ 7.0086, 11.8405,
4.2020

■ 24.4630, 20.2248,
32.7505

■ 6.4326, 11.5639,
3.2599

■ 27.5870, 21.7254,
37.8600

■ 6.0209, 11.3661,
2.5863

■ 30.9934, 23.3617,
43.4314

■ 5.7562, 11.2389,
2.1533

■ 34.6890, 25.1369,
49.4756

■ 5.5763, 11.1525,
1.8590

■ 38.6804, 27.0542,
56.0037

Harmonies

Analogous

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



13.3534, 14.6304, 12.5718



12.8175, 14.6304, 13.7037



12.5742, 14.6304, 15.5091

Triad

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



12.8175, 14.6304, 13.7037



13.7580, 14.6304, 20.2064



15.2108, 14.6304, 14.3799

Complementary

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



12.8175, 14.6304, 13.7037



13.6130, 13.1764, 16.5782

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.



15.3282, 14.6304, 16.3585



12.8175, 14.6304, 13.7037



14.4731, 14.6304, 19.8386

Square

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



12.8175, 14.6304, 13.7037



13.1050, 14.6304, 19.3510



15.0539, 14.6304, 18.3853



14.7385, 14.6304, 12.9380

Rectangle

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



12.8175, 14.6304, 13.7037



12.6044, 14.6304, 16.8982



15.0539, 14.6304, 18.3853



15.2938, 14.6304, 14.9995

Sweetspot

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



12.8179, 14.6310, 13.7040



24.9842, 26.8823, 28.1132



14.2116, 15.3495, 13.7690



5.7609, 6.2302, 6.4552



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.



12.8179, 14.6310, 13.7040



21.7919, 25.3489, 22.8919



13.1120, 14.7487, 15.2528



3.3451, 3.7632, 3.6235



6.6985, 13.3969, 2.2331



33.3680, 66.7358, 11.1232

Inverse Universe

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



13.6130, 13.1764, 16.5782



23.4730, 22.2734, 28.9686



13.2972, 13.0501, 14.9152



3.5144, 3.4535, 4.2355



11.1054, 5.3345, 18.1627



55.3206, 26.5736, 90.4754

Previews

White Background



This preview shows how the XYZ color 12.8175, 14.6304, 13.7037 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 12.8175, 14.6304, 13.7037 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

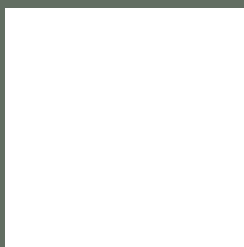
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8175, 14.6304, 13.7037

Background



This preview shows how black text looks on a background with the XYZ color 12.8175, 14.6304, 13.7037.

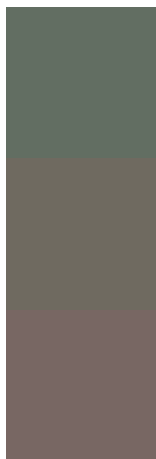


This preview shows how white text looks on a background with the XYZ color 12.8175, 14.6304,

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

12.8175, 14.6304, 13.7037

Protanopia

13.8209, 14.5321, 13.1429

Deuteranopia

14.8481, 14.5944, 13.8388



Tritanopia

13.7769, 14.5430, 18.6040

Trichromacy



Original Color

12.8175, 14.6304, 13.7037

Protanomaly

13.3592, 14.4426, 13.3929

Deuteranomaly

14.0883, 14.6537, 13.8903

Tritanomaly

13.3784, 14.5386, 16.5691

Monochromacy



Original Color

12.8175, 14.6304, 13.7037

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1355, 14.2995, 14.6381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8175, 14.6304, 13.7037 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(98, 110, 98) looks like.

```
.text, #text, p{  
    color:rgb(98, 110, 98)  
}
```

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(98, 110, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 110, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.8175, 14.6304, 13.7037 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(98, 110, 98) }
```


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

```
.border{ border-color:rgb(98, 110, 98) }
```

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

Here you see how a box with a 4 pixel rgb(98, 110, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 110, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 110, 98);  
box-shadow:4px 4px 4px 4px rgb(98, 110,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8175, 14.6304, 13.7037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 110, 98) }
```

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

```
.background{ background-color: rgb(98, 110,  
98) }
```

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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