

Converting Colors

XYZ(12.9168, 12.2876, 16.4182)

Have a look what the booklet for
XYZ(12.9168, 12.2876, 16.4182)
contains.

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Color

**XYZ(12.8806, 12.2570,
16.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	6B5E6E
RGB	107, 94, 110
RGB Percent	42%, 37%, 43%
CMY	0.5804, 0.6314, 0.5686
CMYK	0.03, 0.15, 0.00, 0.57
HSL	289°, 8%, 40%
HSV	289°, 15%, 43%
XYZ	12.8806, 12.2570, 16.4388
YIQ	99.7110, 2.6120, 7.7320

Conversions

Conversions Part 2

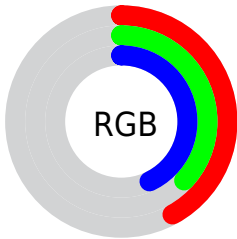
Format	Color
R_{YB}	107, 94, 110
Decimal	7036526
CIE Lab	41.62, 8.45, -7.15
CIE LCh	42, 11.072, 319.787
Yxy	12.2570, 0.3098, 0.2948
Android (android.graphics.Color)	4285226606 (0xFF6B5E6E)
YUV	99.7110, 5.0725, 6.3925
Hunter-Lab	35.0100, 4.4048, -3.3324

Details

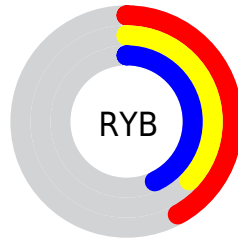
The XYZ color **12.8806, 12.2570, 16.4388** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5265, 14.5017, 12.7292**, and the grayscale version is **12.0269, 12.6533, 13.7794**.

A 20% lighter version of the original color is **30.5954, 29.8243, 38.3265**, and **3.7899, 3.4224, 5.0183** is the 20% darker color. If you saturate the color by 10%, you get **11.7264, 10.3122, 16.1244**, and if you desaturate by 10%, it is **14.1808, 14.4847, 16.8004**.

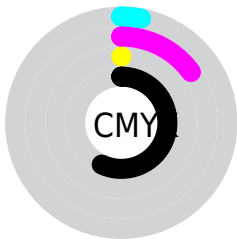
Distribution



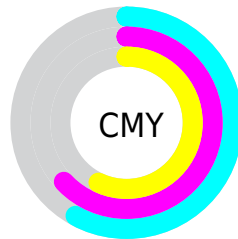
- Red (42%)
- Green (37%)
- Blue (43%)



- Red (42%)
- Yellow (37%)
- Blue (43%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (57%)



- Cyan (58%)
- Magenta (63%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8806, 12.2570, 16.4388 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 12.8806, 12.2570, 16.4388 by changing the saturation by 10% instead.

■ 12.8806, 12.2570,
16.4388

■ 12.8806, 12.2570,
16.4388

203.8041,
206.0993, 243.8507

■ 7.4228, 6.9190,
9.6775

■ 30.6923, 29.9623,
38.1357

■ 3.7766, 3.4115,
5.0829

■ 43.7768, 43.0984,
53.9083

■ 1.5765, 1.3501,
2.2364

■ 60.1344, 59.6026,
73.5217

■ 0.3770, 0.1795,
0.6952

■ 80.1302, 79.8593,
97.3946

■ 0.0000, 0.0000,
0.0000

104.1298,
104.2530, 125.9454

132.4984,

133.1679, 159.5926

165.6014,
166.9886, 198.7549

■ 12.8806, 12.2570,
16.4388

■ 12.8806, 12.2570,
16.4388

■ 11.7264, 10.3122,
16.1244

■ 14.1808, 14.4847,
16.8004

■ 10.7113, 8.6371,
15.8546

■ 15.6316, 17.0049,
17.2104

■ 9.8294, 7.2195,
15.6275

■ 17.2386, 19.8285,
17.6707

■ 9.0736, 6.0459,
15.4408

■ 19.0067, 22.9654,
18.1830

■ 8.4367, 5.1013,
15.2920

■ 20.9407, 26.4253,
18.7489

■ 7.9104, 4.3693,
15.1785

■ 23.0453, 30.2170,
19.3699

■ 7.4851, 3.8312,
15.0970

■ 25.3247, 34.3494,
20.0474

■ 7.1450, 3.4550,
15.0423

■ 27.7833, 38.8309,
20.7828

■ 6.9705, 3.2683,
15.0155

■ 30.4251, 43.6696,
21.5775

Harmonies

Analogous

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



12.1853, 12.2570, 17.9999



12.8806, 12.2570, 16.4388



13.2514, 12.2570, 14.1527

Triad

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



12.8806, 12.2570, 16.4388



11.9284, 12.2570, 9.4186



10.2446, 12.2570, 14.9139

Complementary

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



12.8806, 12.2570, 16.4388



12.5265, 14.5017, 12.7292

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.



10.1829, 12.2570, 12.5702



12.8806, 12.2570, 16.4388



11.1304, 12.2570, 9.5722

Square

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



12.8806, 12.2570, 16.4388



12.6850, 12.2570, 10.2202



10.5002, 12.2570, 10.6673



10.6727, 12.2570, 17.0513

Rectangle

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



12.8806, 12.2570, 16.4388



13.2536, 12.2570, 12.6016



10.5002, 12.2570, 10.6673



10.1811, 12.2570, 14.1187

Sweetspot

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



12.8810, 12.2575, 16.4391



25.0098, 25.6203, 29.5343



11.7243, 12.0924, 16.4682



5.7859, 5.9032, 6.8633



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.



12.8810, 12.2575, 16.4391



22.0055, 20.4822, 28.7009



12.9936, 12.3450, 15.1169



3.4561, 3.4234, 4.2328



8.3513, 3.9147, 18.0371



40.9226, 19.1507, 89.8187

Inverse Universe

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



12.5912, 12.1840, 12.9979



21.4133, 20.3344, 21.5601



12.4350, 14.4289, 13.8845



3.4077, 3.4108, 3.6737



7.8743, 4.0421, 1.1483



38.9819, 20.0381, 4.4371

Previews

White Background



This preview shows how the XYZ color 12.8806, 12.2570, 16.4388 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 12.8806, 12.2570, 16.4388 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 12.8806, 12.2570, 16.4388

Background



This preview shows how black text looks on a background with the XYZ color 12.8806, 12.2570, 16.4388.



This preview shows how white text looks on a background with the XYZ color 12.8806, 12.2570,

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

12.8806, 12.2570, 16.4388

Protanopia

12.0232, 12.2060, 17.0515

Deuteranopia

12.4768, 12.3163, 16.4715



Tritanopia

12.4842, 12.2279, 14.5342

Trichromacy



Original Color

12.8806, 12.2570, 16.4388

Protanomaly

12.3076, 12.2228, 16.7495

Deuteranomaly

12.6156, 12.2533, 16.4521

Tritanomaly

12.6376, 12.2892, 15.3416

Monochromacy



Original Color

12.8806, 12.2570, 16.4388

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4599, 12.6184, 14.8756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8806, 12.2570, 16.4388 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, 94, 110)` looks like.

```
.text, #text, p{  
    color:rgb(107, 94, 110)  
}
```

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, 94, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 94, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.8806, 12.2570, 16.4388 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, 94, 110) }
```


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

```
.border{ border-color:rgb(107, 94, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 94, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 94, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 94, 110);  
box-shadow:4px 4px 4px 4px rgb(107, 94,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8806, 12.2570, 16.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 94, 110) }
```

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

```
.background{ background-color: rgb(107, 94,  
110) }
```

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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