

Converting Colors

XYZ(12.3889, 12.4962, 13.9181)

Have a look what the booklet for
XYZ(12.3889, 12.4962, 13.9181)
contains.

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Color

**XYZ(12.4006, 12.4727,
13.8105)**

Conversions

Conversions Part 1

Format	Color
Hex	696164
RGB	105, 97, 100
RGB Percent	41%, 38%, 39%
CMY	0.5882, 0.6196, 0.6078
CMYK	0.00, 0.08, 0.05, 0.59
HSL	338°, 4%, 40%
HSV	338°, 8%, 41%
XYZ	12.4006, 12.4727, 13.8105
YIQ	99.7340, 3.8050, 2.6290

Conversions

Conversions Part 2

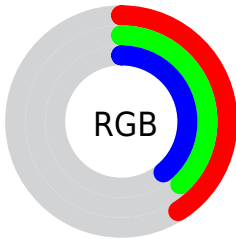
Format	Color
R_{YB}	105, 97, 100
Decimal	6906212
CIE Lab	41.96, 3.78, -0.56
CIE LCh	42, 3.817, 351.555
Yxy	12.4727, 0.3206, 0.3224
Android (android.graphics.Color)	4285096292 (0xFF696164)
YUV	99.7340, 0.1311, 4.6183
Hunter-Lab	35.3167, 0.8717, 1.5365

Details

The XYZ color **12.4006, 12.4727, 13.8105** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3800, 13.6041, 14.5443**, and the grayscale version is **12.0447, 12.6719, 13.7997**.

A 20% lighter version of the original color is **29.8861, 30.4821, 33.5866**, and **3.5714, 3.5242, 3.8602** is the 20% darker color. If you saturate the color by 10%, you get **11.1890, 10.5375, 11.9019**, and if you desaturate by 10%, it is **13.7670, 14.6762, 15.8973**.

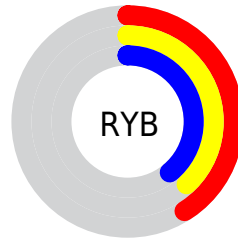
Distribution



Red (41%)

Green (38%)

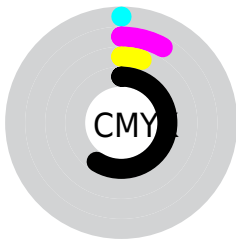
Blue (39%)



Red (41%)

Yellow (38%)

Blue (39%)

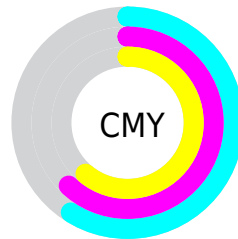


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (59%)



Cyan (59%)

Magenta (62%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4006, 12.4727, 13.8105 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 12.4006, 12.4727, 13.8105 by changing the saturation by 10% instead.

■ 12.4006, 12.4727,
13.8105

■ 12.4006, 12.4727,
13.8105

200.7558,
207.5101, 227.4360

■ 7.0913, 7.0665,
7.8517

■ 29.8332, 30.3532,
33.4647

■ 3.5661, 3.5037,
3.9138

■ 42.6872, 43.5962,
47.9972

■ 1.4597, 1.4000,
1.5782

■ 58.7868, 60.2202,
66.2247

■ 0.2982, 0.2167,
0.2752

■ 78.4973, 80.6097,
88.5657

■ 0.0000, 0.0000,
0.0000

102.1841,
105.1491, 115.4388

130.2125,

134.2226, 147.2626

162.9480,
168.2148, 184.4554

■ 12.4006, 12.4727,
13.8105

■ 12.4006, 12.4727,
13.8105

■ 11.1890, 10.5375,
11.9019

■ 13.7670, 14.6762,
15.8973

■ 10.1255, 8.8585,
10.1659

■ 15.2923, 17.1559,
18.1661

■ 9.2044, 7.4256,
8.5977

■ 16.9821, 19.9217,
20.6216

■ 8.4195, 6.2269,
7.1919

■ 18.8412, 22.9822,
23.2682

■ 7.7638, 5.2497,
5.9430

■ 20.8741, 26.3460,
26.1100

■ 7.2299, 4.4803,
4.8449

■ 23.0853, 30.0211,
29.1510

■ 6.8094, 3.9031,
3.8913

■ 25.4791, 34.0153,
32.3951

■ 6.4928, 3.5004,
3.0750

■ 28.0596, 38.3359,
35.8461

■ 6.2519, 3.2172,
2.3827

■ 30.8308, 42.9904,
39.5076

Harmonies

Analogous

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



12.2856, 12.4727, 14.5714



12.4006, 12.4727, 13.8105



12.3675, 12.4727, 13.0169

Triad

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



12.4006, 12.4727, 13.8105



11.6564, 12.4727, 12.1840



11.5203, 12.4727, 14.8363

Complementary

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



12.4006, 12.4727, 13.8105



12.3800, 13.6041, 14.5443

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.



11.3567, 12.4727, 14.1605



12.4006, 12.4727, 13.8105



11.4344, 12.4727, 12.6358

Square

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



12.4006, 12.4727, 13.8105



11.9349, 12.4727, 12.0987



11.3255, 12.4727, 13.3534



11.7753, 12.4727, 15.1789

Rectangle

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



12.4006, 12.4727, 13.8105



12.2662, 12.4727, 12.5743



11.3255, 12.4727, 13.3534



11.4529, 12.4727, 14.6393

Sweetspot

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



12.4010, 12.4732, 13.8108



23.5305, 24.4676, 26.7670



12.2968, 12.3907, 15.1082



5.5221, 5.7477, 6.2855



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.4010, 12.4732, 13.8108



21.8303, 21.7332, 24.1469



12.3452, 12.5897, 13.0893



3.1423, 3.1338, 3.4798



7.8306, 3.9844, 2.7367



39.5083, 20.1453, 11.8793

Inverse Universe

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



12.4010, 12.4732, 13.8108



21.8303, 21.7332, 24.1469



12.4369, 13.4756, 15.3103



3.1423, 3.1338, 3.4798



7.8306, 3.9844, 2.7367



39.5083, 20.1453, 11.8793

Previews

White Background



This preview shows how the XYZ color 12.4006, 12.4727, 13.8105 looks on a white background.

Color Contrast Check

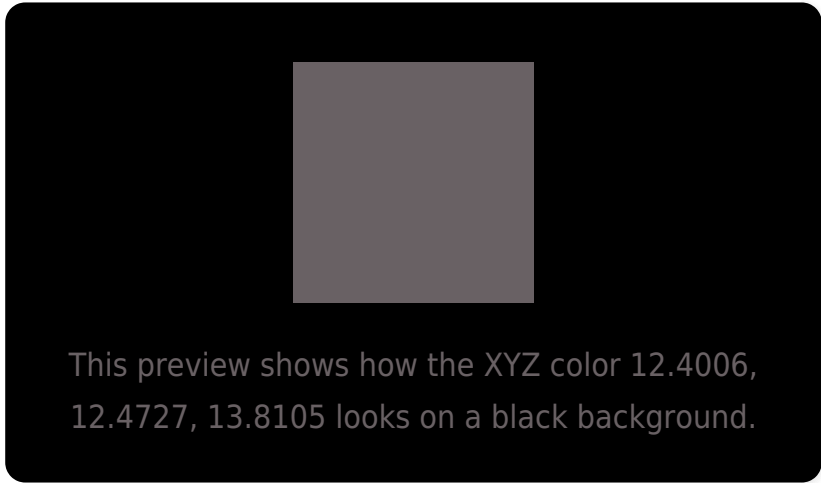
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

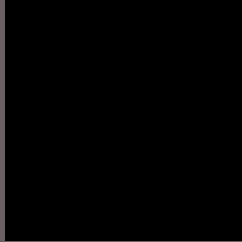
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4006, 12.4727, 13.8105

Background



This preview shows how black text looks on a background with the XYZ color 12.4006, 12.4727, 13.8105.

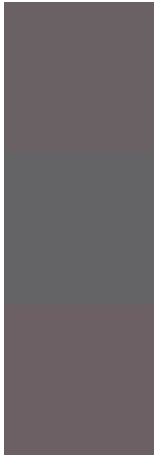


This preview shows how white text looks on a background with the XYZ color 12.4006, 12.4727,

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

12.4006, 12.4727, 13.8105

Protanopia

12.0663, 12.5726, 14.1027

Deuteranopia

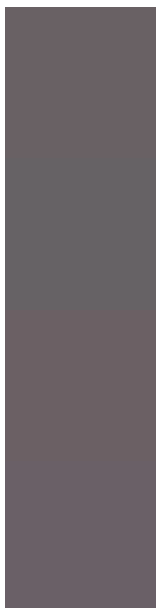
12.6675, 12.4740, 13.7967



Tritanopia

12.6254, 12.4294, 14.8304

Trichromacy



Original Color

12.4006, 12.4727, 13.8105

Protanomaly

12.1961, 12.4997, 14.0818

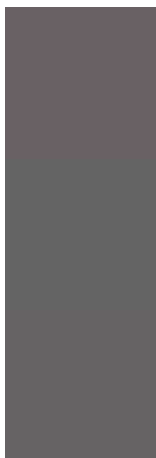
Deuteranomaly

12.5465, 12.4116, 13.7910

Tritanomaly

12.5749, 12.4092, 14.5644

Monochromacy



Original Color

12.4006, 12.4727, 13.8105

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2416, 12.6686, 13.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4006, 12.4727, 13.8105 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(105, 97, 100)` looks like.

```
.text, #text, p{  
    color:rgb(105, 97, 100)  
}
```

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(105, 97, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 97, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.4006, 12.4727, 13.8105 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(105, 97, 100) }
```


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

```
.border{ border-color:rgb(105, 97, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 97, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(105, 97,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4006, 12.4727, 13.8105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 97, 100) }
```

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

```
.background{ background-color: rgb(105, 97,  
100) }
```

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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