

Converting Colors

XYZ(12.1696, 8.6966, 14.6113)

Have a look what the booklet for
XYZ(12.1696, 8.6966, 14.6113)
contains.

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Color

**XYZ(12.1806, 8.7005,
14.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	78406A
RGB	120, 64, 106
RGB Percent	47%, 25%, 42%
CMY	0.5294, 0.7490, 0.5843
CMYK	0.00, 0.47, 0.12, 0.53
HSL	315°, 30%, 36%
HSV	315°, 47%, 47%
XYZ	12.1806, 8.7005, 14.6730
YIQ	85.5320, 19.8940, 24.9340

Conversions

Conversions Part 2

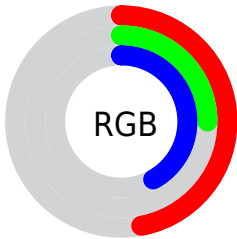
Format	Color
R_{YB}	120, 64, 106
Decimal	7880810
CIE _{Lab}	35.40, 30.53, -13.91
CIE _{LCh}	35, 33.550, 335.496
Yxy	8.7005, 0.3426, 0.2447
Android (android.graphics.Color)	4286070890 (0xFF78406A)
YUV	85.5320, 10.0907, 30.2284
Hunter-Lab	29.4966, 22.0924, -8.8460

Details

The XYZ color **12.1806, 8.7005, 14.6730** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.2063, 15.0732, 9.5799**, and the grayscale version is **8.7231, 9.1774, 9.9942**.

A 20% lighter version of the original color is **29.5587, 23.4676, 34.8701**, and **3.5005, 1.9884, 4.3370** is the 20% darker color. If you saturate the color by 10%, you get **11.4221, 7.4287, 13.6639**, and if you desaturate by 10%, it is **13.0908, 10.2666, 15.7598**.

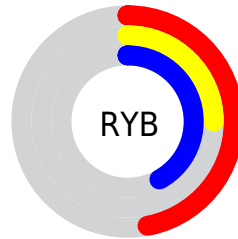
Distribution



Red (47%)

Green (25%)

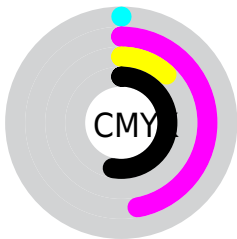
Blue (42%)



Red (47%)

Yellow (25%)

Blue (42%)

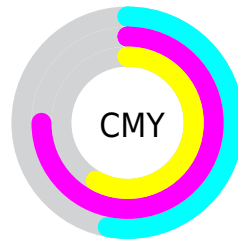


Cyan (0%)

Magenta (47%)

Yellow (12%)

Black (53%)



Cyan (53%)

Magenta (75%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1806, 8.7005, 14.6730 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 12.1806, 8.7005, 14.6730 by changing the saturation by 10% instead.

12.1806, 8.7005,
14.6730

12.1806, 8.7005,
14.6730

199.3429,
181.1276, 232.9505

6.9399, 4.5463,
8.4461

29.4376, 23.3207,
35.0126

3.4705, 1.9836,
4.2899

42.1846, 34.5555,
49.9625

1.4072, 0.5979,
1.7857

58.1644, 48.9194,
68.6572

0.2613, 0.0000,
0.4185

77.7424, 66.7966,
91.5151

0.0000, 0.0000,
0.0000

101.2838, 88.5717,
118.9548

129.1542,

114.6289, 151.3950

161.7187,
145.3528, 189.2540

■ 12.1806, 8.7005,
14.6730

■ 12.1806, 8.7005,
14.6730

■ 11.4221, 7.4287,
13.6639

■ 13.0908, 10.2666,
15.7598

■ 10.8049, 6.4310,
12.7284

■ 14.1604, 12.1430,
16.9269

■ 10.3187, 5.6868,
11.8630

■ 15.3978, 14.3460,
18.1774

■ 9.9514, 5.1719,
11.0634

■ 16.8104, 16.8903,
19.5140

■ 9.6775, 4.8353,
10.3207

■ 18.4051, 19.7898,
20.9393

■ 9.5911, 4.7312,
10.0802

■ 20.1886, 23.0577,
22.4557

■ 22.1671, 26.7064,
24.0657

■ 24.3466, 30.7478,
25.7713

■ 26.7327, 35.1931,
27.5749

Harmonies

Analogous

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



10.6483, 8.7005, 21.2100



12.1806, 8.7005, 14.6730



12.6010, 8.7005, 8.4798

Triad

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



12.1806, 8.7005, 14.6730



7.9149, 8.7005, 2.2926



5.5726, 8.7005, 17.1945

Complementary

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



12.1806, 8.7005, 14.6730



10.2063, 15.0732, 9.5799

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.



5.0654, 8.7005, 10.5417



12.1806, 8.7005, 14.6730



6.2744, 8.7005, 3.1363

Square

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



12.1806, 8.7005, 14.6730



9.9276, 8.7005, 2.6685



5.3006, 8.7005, 5.6750



6.8073, 8.7005, 23.0230

Rectangle

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



12.1806, 8.7005, 14.6730



12.1450, 8.7005, 5.5558



5.3006, 8.7005, 5.6750



5.3210, 8.7005, 14.9003

Sweetspot

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



12.1809, 8.7009, 14.6732



27.6306, 26.2160, 32.5026



8.3659, 6.6431, 18.6106



6.4480, 6.0331, 7.6058



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.1809, 8.7009, 14.6732



20.0045, 12.9259, 23.9115



10.9546, 8.2104, 8.2157



4.1137, 4.0612, 4.7964



10.4576, 5.1592, 10.9664



49.5297, 24.4682, 50.4469

Inverse Universe

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



12.1809, 8.7009, 14.6732



20.0045, 12.9259, 23.9115



11.4326, 15.5637, 16.0375



4.1137, 4.0612, 4.7964



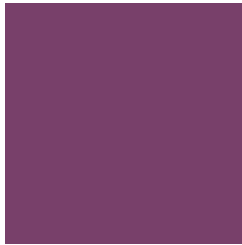
10.4576, 5.1592, 10.9664



49.5297, 24.4682, 50.4469

Previews

White Background



This preview shows how the XYZ color 12.1806, 8.7005, 14.6730 looks on a white background.

Color Contrast Check

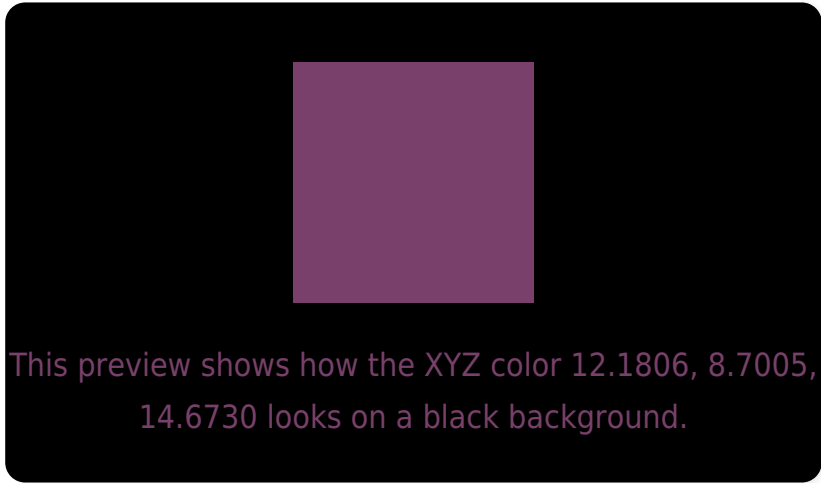
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

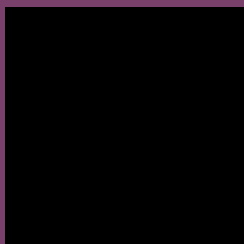
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1806, 8.7005, 14.6730

Background



This preview shows how black text looks on a background with the XYZ color 12.1806, 8.7005, 14.6730.



This preview shows how white text looks on a background with the XYZ color 12.1806, 8.7005,

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

12.1806, 8.7005, 14.6730

Protanopia

9.1559, 8.9203, 19.0085

Deuteranopia

8.9451, 8.8077, 14.0606



Tritanopia

10.8308, 8.6840, 7.9428

Trichromacy



Original Color

12.1806, 8.7005, 14.6730

Protanomaly

9.7988, 8.5305, 17.3498

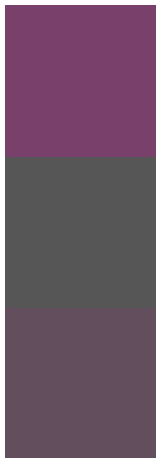
Deuteranomaly

9.8386, 8.5184, 14.2224

Tritanomaly

11.2586, 8.6739, 10.0977

Monochromacy



Original Color

12.1806, 8.7005, 14.6730

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.7372, 8.8358, 11.5482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1806, 8.7005, 14.6730 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(120, 64, 106)` looks like.

```
.text, #text, p{  
    color:rgb(120, 64, 106)  
}
```

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(120, 64, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 64, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.1806, 8.7005, 14.6730 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(120, 64, 106) }
```


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

```
.border{ border-color:rgb(120, 64, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 64, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 64, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 64, 106);  
box-shadow:4px 4px 4px 4px rgb(120, 64,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1806, 8.7005, 14.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 64, 106) }
```

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

```
.background{ background-color: rgb(120, 64,  
106) }
```

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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