

Converting Colors

XYZ(12.7395, 11.7970, 15.2882)

Have a look what the booklet for
XYZ(12.7395, 11.7970, 15.2882)
contains.

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Color

**XYZ(12.7730, 11.8378,
15.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	6E5B6A
RGB	110, 91, 106
RGB Percent	43%, 36%, 42%
CMY	0.5686, 0.6431, 0.5843
CMYK	0.00, 0.17, 0.04, 0.57
HSL	313°, 9%, 39%
HSV	313°, 17%, 43%
XYZ	12.7730, 11.8378, 15.2474
YIQ	98.3910, 6.5090, 8.6930

Conversions

Conversions Part 2

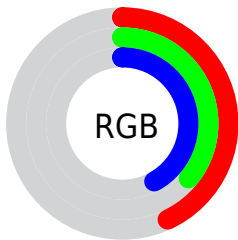
Format	Color
R_{YB}	110, 91, 106
Decimal	7232362
CIE Lab	40.96, 10.60, -5.66
CIE LCh	41, 12.017, 331.919
Yxy	11.8378, 0.3205, 0.2970
Android (android.graphics.Color)	4285422442 (0xFF6E5B6A)
YUV	98.3910, 3.7512, 10.1811
Hunter-Lab	34.4061, 6.0561, -2.1907

Details

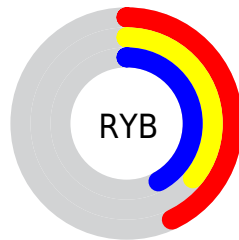
The XYZ color **12.7730, 11.8378, 15.2474** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9563, 14.2025, 12.9383**, and the grayscale version is **11.6970, 12.3062, 13.4014**.

A 20% lighter version of the original color is **30.5110, 29.1655, 35.9197**, and **3.7144, 3.2167, 4.5628** is the 20% darker color. If you saturate the color by 10%, you get **11.7820, 10.0459, 14.3310**, and if you desaturate by 10%, it is **13.9058, 13.9078, 16.2274**.

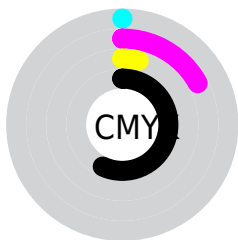
Distribution



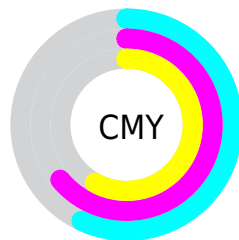
- Red (43%)
- Green (36%)
- Blue (42%)



- Red (43%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (57%)



- Cyan (57%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7730, 11.8378, 15.2474 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 12.7730, 11.8378, 15.2474 by changing the saturation by 10% instead.

■ 12.7730, 11.8378,
15.2474

■ 12.7730, 11.8378,
15.2474

203.1248,
203.3285, 236.5510

■ 7.3483, 6.6333,
8.8447

■ 30.5002, 29.1993,
36.0350

■ 3.7291, 3.2339,
4.5446

■ 43.5334, 42.1252,
51.2570

■ 1.5501, 1.2550,
1.9286

■ 59.8335, 58.3937,
70.2558

■ 0.3595, 0.1060,
0.5108

■ 79.7658, 78.3891,
93.4499

■ 0.0000, 0.0000,
0.0000

■ 103.6958,
102.4959, 121.2580

131.9887,

131.0985, 154.0985

165.0099,
164.5812, 192.3900

■ 12.7730, 11.8378,
15.2474

■ 12.7730, 11.8378,
15.2474

■ 11.7820, 10.0459,
14.3310

■ 13.9058, 13.9078,
16.2274

■ 10.9258, 8.5185,
13.4752

■ 15.1850, 16.2656,
17.2723

■ 10.1983, 7.2433,
12.6782

■ 16.6162, 18.9222,
18.3842

■ 9.5925, 6.2064,
11.9374

■ 18.2046, 21.8877,
19.5648

■ 9.1007, 5.3927,
11.2502

■ 19.9549, 25.1718,
20.8160

■ 8.7145, 4.7849,
10.6136

■ 21.8718, 28.7836,
22.1393

■ 8.4240, 4.3638,
10.0242

■ 23.9597, 32.7319,
23.5365

■ 8.2027, 4.0761,
9.4730

■ 26.2228, 37.0252,
25.0089

■ 8.1443, 4.0005,
9.3257

■ 28.6652, 41.6716,
26.5581

Harmonies

Analogous

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



12.1478, 11.8378, 17.3372



12.7730, 11.8378, 15.2474



12.9848, 11.8378, 12.7316

Triad

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



12.7730, 11.8378, 15.2474



11.1962, 11.8378, 8.7151



9.9066, 11.8378, 15.5564

Complementary

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



12.7730, 11.8378, 15.2474



11.9563, 14.2025, 12.9383

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.



9.6797, 11.8378, 13.0484



12.7730, 11.8378, 15.2474



10.4004, 11.8378, 9.2758

Square

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



12.7730, 11.8378, 15.2474



12.0472, 11.8378, 9.1492



9.8558, 11.8378, 10.7879



10.4915, 11.8378, 17.5309

Rectangle

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



12.7730, 11.8378, 15.2474



12.8549, 11.8378, 11.2025



9.8558, 11.8378, 10.7879



9.7873, 11.8378, 14.7376

Sweetspot

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



12.7733, 11.8383, 15.2477



24.8793, 25.2664, 28.8809



11.2546, 11.0308, 16.2879



5.7633, 5.8314, 6.6989



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.



12.7733, 11.8383, 15.2477



21.6559, 19.3816, 26.0738



12.3156, 11.6552, 12.8372



3.4858, 3.4420, 4.0849



9.7731, 4.8016, 11.1471



48.3626, 23.7904, 53.8349

Inverse Universe

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



12.7733, 11.8383, 15.2477



21.6559, 19.3816, 26.0738



12.4047, 14.3818, 15.2992



3.4858, 3.4420, 4.0849



9.7731, 4.8016, 11.1471



48.3626, 23.7904, 53.8349

Previews

White Background



This preview shows how the XYZ color 12.7730, 11.8378, 15.2474 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 12.7730, 11.8378, 15.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

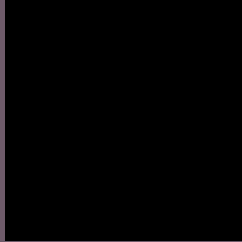
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7730, 11.8378, 15.2474

Background



This preview shows how black text looks on a background with the XYZ color 12.7730, 11.8378, 15.2474.



This preview shows how white text looks on a background with the XYZ color 12.7730, 11.8378,

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

12.7730, 11.8378, 15.2474

Protanopia

11.6625, 11.9028, 16.1508

Deuteranopia

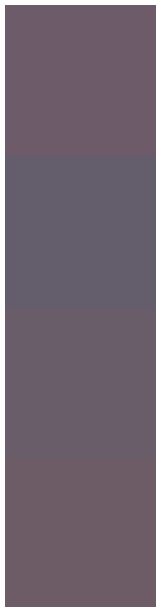
12.0320, 11.8501, 15.0177



Tritanopia

12.3860, 11.8064, 13.4304

Trichromacy



Original Color

12.7730, 11.8378, 15.2474

Protanomaly

11.9650, 11.7974, 15.8339

Deuteranomaly

12.2899, 11.8519, 15.0045

Tritanomaly

12.5321, 11.8648, 14.2000

Monochromacy



Original Color

12.7730, 11.8378, 15.2474

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9207, 11.9488, 13.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7730, 11.8378, 15.2474 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, 91, 106)` looks like.

```
.text, #text, p{  
    color:rgb(110, 91, 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(110, 91, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 91, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.7730, 11.8378, 15.2474 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, 91, 106) }
```


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

```
.border{ border-color:rgb(110, 91, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 91, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 91, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 91, 106);  
box-shadow:4px 4px 4px 4px rgb(110, 91,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7730, 11.8378, 15.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 91, 106) }
```

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

```
.background{ background-color: rgb(110, 91,  
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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