

Converting Colors

XYZ(11.8135, 16.0849, 17.7706)

Have a look what the booklet for
XYZ(11.8135, 16.0849, 17.7706)
contains.

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Color

**XYZ(11.8086, 16.0810,
17.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7A70
RGB	61, 122, 112
RGB Percent	24%, 48%, 44%
CMY	0.7608, 0.5216, 0.5608
CMYK	0.50, 0.00, 0.08, 0.52
HSL	170°, 33%, 36%
HSV	170°, 50%, 48%
XYZ	11.8086, 16.0810, 17.8108
YIQ	102.6210, -33.1460, -16.0420

Conversions

Conversions Part 2

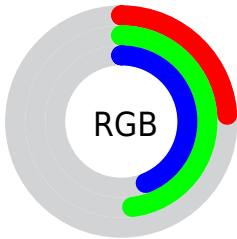
Format	Color
RYB	61, 94, 122
Decimal	4029040
CIELab	47.08, -22.41, -0.62
CIELCh	47, 22.416, 181.586
Yxy	16.0810, 0.2584, 0.3519
Android (android.graphics.Color)	4282219120 (0xFF3D7A70)
YUV	102.6210, 4.6238, -36.5016
Hunter-Lab	40.1011, -17.6140, 1.7373

Details

The XYZ color **11.8086, 16.0810, 17.8108** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8326, 7.9304, 6.9215**, and the grayscale version is **12.7869, 13.4529, 14.6502**.

A 20% lighter version of the original color is **28.8409, 36.8510, 40.7148**, and **3.3080, 5.1353, 5.6673** is the 20% darker color. If you saturate the color by 10%, you get **11.0314, 15.6935, 17.1998**, and if you desaturate by 10%, it is **12.7601, 16.5589, 18.4436**.

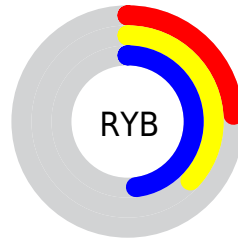
Distribution



Red (24%)

Green (48%)

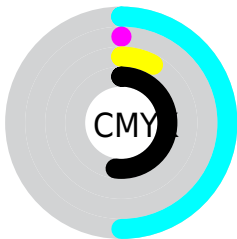
Blue (44%)



Red (24%)

Yellow (37%)

Blue (48%)

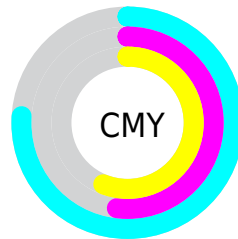


Cyan (50%)

Magenta (0%)

Yellow (8%)

Black (52%)



Cyan (76%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8086, 16.0810, 17.8108 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 11.8086, 16.0810, 17.8108 by changing the saturation by 10% instead.

■ 11.8086, 16.0810,
17.8108

■ 11.8086, 16.0810,
17.8108

196.9299,
229.8192, 252.0026

■ 6.6848, 9.5815,
10.6462

■ 28.7659, 36.7388,
40.5242

■ 3.3103, 5.1224,
5.7183

■ 41.3301, 51.6658,
56.9102

■ 1.3199, 2.3192,
2.6086

■ 57.1051, 70.1708,
77.2070

■ 0.1980, 0.7839,
0.8969

■ 76.4563, 92.6382,
101.8331

■ 0.0000, 0.0000,
0.0000

■ 99.7490, 119.4523,
131.2073

127.3486,

150.9976, 165.7479

159.6205,
187.6584, 205.8735

■ 11.8086, 16.0810,
17.8108

■ 11.8086, 16.0810,
17.8108

■ 11.0314, 15.6935,
17.1998

■ 12.7601, 16.5589,
18.4436

■ 10.4153, 15.3883,
16.6088

■ 13.8952, 17.1308,
19.0977

■ 9.9476, 15.1594,
16.0375

■ 15.2241, 17.8023,
19.7739

■ 9.6129, 14.9987,
15.4851

■ 16.7560, 18.5781,
20.4727

■ 9.3581, 14.8789,
14.9490

■ 18.4992, 19.4626,
21.1947

■ 9.3581, 14.8789,
14.9489

■ 20.4620, 20.4599,
21.9403

■ 22.6518, 21.5741,
22.7100

■ 25.0759, 22.8087,
23.5040

■ 27.7412, 24.1673,
24.3229

Harmonies

Analogous

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



12.1950, 16.0810, 12.8466



11.8086, 16.0810, 17.8108



12.2852, 16.0810, 23.8142

Triad

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



11.8086, 16.0810, 17.8108



17.3512, 16.0810, 28.4458



17.1548, 16.0810, 9.6093

Complementary

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



11.8086, 16.0810, 17.8108



10.8326, 7.9304, 6.9215

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.



18.7361, 16.0810, 12.4291



11.8086, 16.0810, 17.8108



18.8562, 16.0810, 23.1828

Square

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



11.8086, 16.0810, 17.8108



15.3894, 16.0810, 30.7143



19.3832, 16.0810, 17.2116



15.1801, 16.0810, 8.7639

Rectangle

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



11.8086, 16.0810, 17.8108



13.0540, 16.0810, 27.4359



19.3832, 16.0810, 17.2116



17.7557, 16.0810, 10.3228

Sweetspot

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



11.8091, 16.0816, 17.8112



27.9873, 31.9280, 35.3521



10.4131, 15.6025, 6.8779



6.2973, 7.2487, 8.0362



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.



11.8091, 16.0816, 17.8112



19.2329, 27.5220, 30.1058



10.1564, 11.8351, 20.1622



4.0802, 4.5017, 4.9561



9.8496, 15.6635, 15.7248



46.7173, 74.6099, 73.6063

Inverse Universe

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



10.8326, 7.9304, 6.9215



17.3148, 11.4224, 8.6498



11.8361, 10.4095, 5.8005



4.0226, 4.0248, 4.3169



8.5808, 4.4085, 1.0834



40.7151, 20.9424, 4.0301

Previews

White Background



This preview shows how the XYZ color 11.8086, 16.0810, 17.8108 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 11.8086, 16.0810, 17.8108 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 11.8086, 16.0810, 17.8108

Background



This preview shows how black text looks on a background with the XYZ color 11.8086, 16.0810, 17.8108.



This preview shows how white text looks on a background with the XYZ color 11.8086, 16.0810,

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

11.8086, 16.0810, 17.8108

Protanopia

15.2254, 15.9869, 15.9190

Deuteranopia

16.2028, 15.9560, 18.4455



Tritanopia

12.8060, 15.9369, 23.1701

Trichromacy



Original Color

11.8086, 16.0810, 17.8108

Protanomaly

13.5568, 15.7771, 16.5181

Deuteranomaly

14.0880, 15.6778, 18.2032

Tritanomaly

12.4060, 15.9530, 21.1643

Monochromacy



Original Color

11.8086, 16.0810, 17.8108

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2020, 14.2672, 15.7464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8086, 16.0810, 17.8108 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(61, 122, 112)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 112)  
}
```

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(61, 122, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 112) }
```

Border

The CSS property to change the border of an element to XYZ 11.8086, 16.0810, 17.8108 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(61, 122, 112) }
```


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

```
.border{ border-color:rgb(61, 122, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 122, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 112);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8086, 16.0810, 17.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 112) }
```

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

```
.background{ background-color: rgb(61, 122,  
112) }
```

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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