

Converting Colors

XYZ(15.7108, 17.8186, 38.6877)

Have a look what the booklet for
XYZ(15.7108, 17.8186, 38.6877)
contains.

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Color

**XYZ(15.7108, 17.8186,
38.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7BA6
RGB	58, 123, 166
RGB Percent	23%, 48%, 65%
CMY	0.7725, 0.5176, 0.3490
CMYK	0.65, 0.26, 0.00, 0.35
HSL	204°, 48%, 44%
HSV	204°, 65%, 65%
XYZ	15.7108, 17.8186, 38.6877
YIQ	108.4670, -52.5430, -0.4070

Conversions

Conversions Part 2

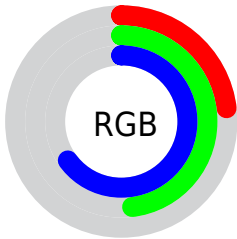
Format	Color
RYB	58, 99, 166
Decimal	3832742
CIELab	49.28, -6.96, -29.11
CIELCh	49, 29.931, 256.563
Yxy	17.8186, 0.2175, 0.2467
Android (android.graphics.Color)	4282022822 (0xFF3A7BA6)
YUV	108.4670, 28.3638, -44.2596
Hunter-Lab	42.2121, -7.4357, -24.7913

Details

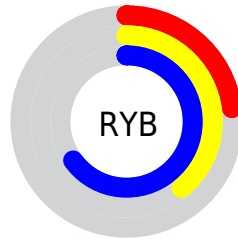
The XYZ color **15.7108, 17.8186, 38.6877** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.1441, 17.7210, 6.3099**, and the grayscale version is **14.3190, 15.0647, 16.4055**.

A 20% lighter version of the original color is **35.5836, 39.5934, 74.1735**, and **5.4860, 6.1125, 16.8103** is the 20% darker color. If you saturate the color by 10%, you get **14.1044, 15.8144, 38.3859**, and if you desaturate by 10%, it is **17.6849, 20.0952, 39.0234**.

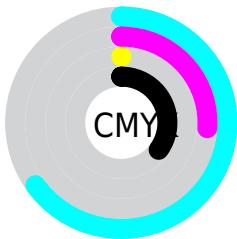
Distribution



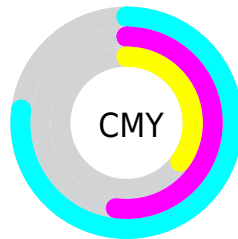
- Red (23%)
- Green (48%)
- Blue (65%)



- Red (23%)
- Yellow (39%)
- Blue (65%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)
- Black (35%)



- Cyan (77%)
- Magenta (52%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7108, 17.8186, 38.6877 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 15.7108, 17.8186, 38.6877 by changing the saturation by 10% instead.

■ 15.7108, 17.8186,
38.6877

■ 15.7108, 17.8186,
38.6877

220.9332,
239.8466, 355.9471

■ 9.4093, 10.8198,
26.2109

■ 35.6569, 39.7280,
74.3761

■ 5.0683, 5.9458,
16.7543

■ 50.0322, 55.4074,
98.4247

■ 2.3226, 2.8122,
9.8994

■ 67.8295, 74.7491,
127.1677

■ 0.8062, 1.0345,
5.2276

■ 89.4142, 98.1376,
161.0236

■ 0.0000, 0.0000,
2.3203

■ 115.1515,
125.9572, 200.4110

■ 0.0000, 0.0000,
0.7426

145.4069,

■ 0.0000, 0.0000,

158.5923, 245.7483

0.0000

180.5457,
196.4273, 297.4542

■ 15.7108, 17.8186,
38.6877

■ 15.7108, 17.8186,
38.6877

■ 14.1044, 15.8144,
38.3859

■ 17.6849, 20.0952,
39.0234

■ 12.8316, 14.0624,
38.1148

■ 20.0530, 22.6583,
39.3934

■ 11.8532, 12.5411,
37.8727

■ 22.8408, 25.5231,
39.7994

■ 11.4312, 11.8495,
37.7615

■ 26.0711, 28.7029,
40.2429

■ 29.7653, 32.2099,
40.7251

■ 33.9429, 36.0557,
41.2472

■ 38.6225, 40.2514,
41.8104

■ 43.8216, 44.8071,
42.4158

■ 49.5567, 49.7329,
43.0643

Harmonies

Analogous

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



13.4849, 17.8186, 32.9520



15.7108, 17.8186, 38.6877



18.5240, 17.8186, 38.3426

Triad

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



15.7108, 17.8186, 38.6877



22.6631, 17.8186, 15.3148



13.3067, 17.8186, 10.5858

Complementary

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



15.7108, 17.8186, 38.6877



21.1441, 17.7210, 6.3099

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.



15.4415, 17.8186, 8.0250



15.7108, 17.8186, 38.6877



20.9308, 17.8186, 10.1922

Square

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



15.7108, 17.8186, 38.6877



22.7558, 17.8186, 23.2255



18.2234, 17.8186, 7.9043



12.2041, 17.8186, 16.0220

Rectangle

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



15.7108, 17.8186, 38.6877



20.3642, 17.8186, 34.6799



18.2234, 17.8186, 7.9043



13.9160, 17.8186, 9.4349

Sweetspot

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



15.7114, 17.8192, 38.6881



50.3504, 54.9993, 73.4375



17.6531, 29.0810, 16.5887



10.8704, 11.9287, 16.3817



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.7114, 17.8192, 38.6881



24.5124, 27.2503, 69.4432



10.8565, 8.1094, 37.0698



7.4931, 8.0232, 9.5720



8.9108, 9.2817, 29.2974



0.2647, 0.3217, 0.7288

Inverse Universe

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



20.8147, 12.5639, 20.0674



35.0448, 18.9855, 30.4337



27.9470, 31.3267, 8.5775



7.7135, 7.6153, 8.8086



13.9983, 7.0081, 10.0688



0.3648, 0.1802, 0.3723

Previews

White Background



This preview shows how the XYZ color 15.7108, 17.8186, 38.6877 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 15.7108, 17.8186, 38.6877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

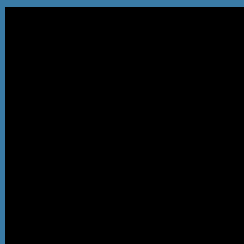
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

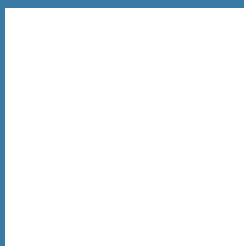
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7108, 17.8186, 38.6877

Background



This preview shows how black text looks on a background with the XYZ color 15.7108, 17.8186, 38.6877.

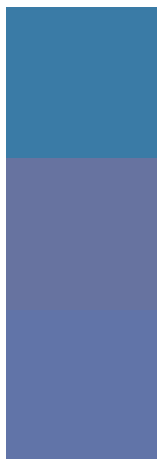


This preview shows how white text looks on a background with the XYZ color 15.7108, 17.8186,

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

15.7108, 17.8186, 38.6877

Protanopia

18.0694, 17.6831, 35.7185

Deuteranopia

18.2430, 17.8593, 39.5315



Tritanopia

13.3029, 17.7869, 26.7768

Trichromacy



Original Color

15.7108, 17.8186, 38.6877

Protanomaly

16.9305, 17.5917, 36.6856

Deuteranomaly

17.1392, 17.8227, 39.0960

Tritanomaly

14.0251, 17.6882, 30.6919

Monochromacy



Original Color

15.7108, 17.8186, 38.6877

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0840, 15.5689, 23.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7108, 17.8186, 38.6877 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(58, 123, 166)` looks like.

```
.text, #text, p{  
    color:rgb(58, 123, 166)  
}
```

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(58, 123, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 123, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.7108, 17.8186, 38.6877 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(58, 123, 166) }
```


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

```
.border{ border-color:rgb(58, 123, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 123, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 123, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 123, 166); box-shadow:4px 4px 4px 4px rgb(58, 123, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7108, 17.8186, 38.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 123, 166) }
```

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

```
.background{ background-color: rgb(58, 123,  
166) }
```

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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