

Converting Colors

XYZ(15.1942, 13.4825, 37.8786)

Have a look what the booklet for
XYZ(15.1942, 13.4825, 37.8786)
contains.

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Color

**XYZ(15.1811, 13.5148,
37.8849)**

Conversions

Conversions Part 1

Format	Color
Hex	5762A6
RGB	87, 98, 166
RGB Percent	34%, 38%, 65%
CMY	0.6588, 0.6157, 0.3490
CMYK	0.48, 0.41, 0.00, 0.35
HSL	232°, 31%, 50%
HSV	232°, 48%, 65%
XYZ	15.1811, 13.5148, 37.8849
YIQ	102.4630, -28.3840, 18.8160

Conversions

Conversions Part 2

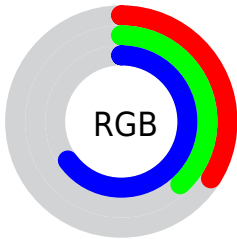
Format	Color
R_{YB}	87, 97, 166
Decimal	5726886
CIE _{Lab}	43.53, 14.69, -38.03
CIE _{LCh}	44, 40.773, 291.124
Yxy	13.5148, 0.2280, 0.2030
Android (android.graphics.Color)	4283916966 (0xFF5762A6)
YUV	102.4630, 31.3237, -13.5611
Hunter-Lab	36.7625, 9.3774, -35.3665

Details

The XYZ color **15.1811, 13.5148, 37.8849** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.1682, 32.2387, 13.7029**, and the grayscale version is **12.6767, 13.3369, 14.5239**.

A 20% lighter version of the original color is **34.6256, 32.0630, 72.7704**, and **4.8609, 3.9780, 16.4312** is the 20% darker color. If you saturate the color by 10%, you get **12.5860, 10.3665, 37.4143**, and if you desaturate by 10%, it is **18.3723, 17.3252, 38.4524**.

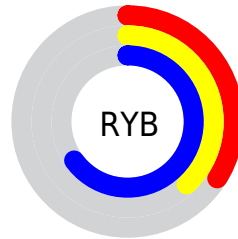
Distribution



Red (34%)

Green (38%)

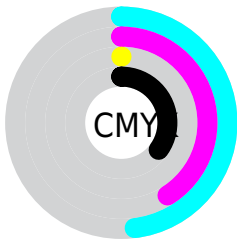
Blue (65%)



Red (34%)

Yellow (38%)

Blue (65%)

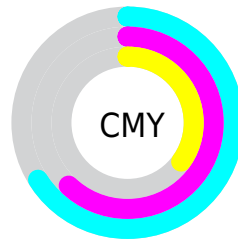


Cyan (48%)

Magenta (41%)

Yellow (0%)

Black (35%)



Cyan (66%)

Magenta (62%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1811, 13.5148, 37.8849 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 15.1811, 13.5148, 37.8849 by changing the saturation by 10% instead.

■ 15.1811, 13.5148,
37.8849

■ 15.1811, 13.5148,
37.8849

217.8265,
214.1911, 352.4093

■ 9.0337, 7.7840,
25.5922

■ 34.7396, 32.2256,
73.1332

■ 4.8205, 3.9570,
16.2958

■ 48.8815, 45.9744,
96.9258

■ 2.1760, 1.6496,
9.5771

■ 66.4189, 63.1646,
125.3889

■ 0.7300, 0.3907,
5.0176

■ 87.7172, 84.1806,
158.9409

■ 0.0000, 0.0000,
2.1986

113.1417,
109.4069, 198.0004

■ 0.0000, 0.0000,
0.6736

143.0579,

■ 0.0000, 0.0000,

139.2278, 242.9860

0.0000

177.8310,
174.0278, 294.3161

■ 15.1811, 13.5148,
37.8849

■ 15.1811, 13.5148,
37.8849

■ 12.5860, 10.3665,
37.4143

■ 18.3723, 17.3252,
38.4524

■ 10.5481, 7.8406,
37.0341

■ 22.1922, 21.8312,
39.1209

■ 9.0259, 5.8955,
36.7389

■ 26.6728, 27.0660,
39.8951

■ 7.9715, 4.4836,
36.5220

■ 31.8437, 33.0600,
40.7795

■ 7.3150, 3.5427,
36.3750

■ 37.7325, 39.8420,
41.7782

■ 7.1916, 3.3704,
36.3482

■ 44.3652, 47.4392,
42.8951

■ 51.7668, 55.8776,
44.1337

■ 59.9607, 65.1819,
45.4978

■ 68.9697, 75.3760,
46.9906

Harmonies

Analogous

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



11.9236, 13.5148, 39.7335



15.1811, 13.5148, 37.8849



18.2267, 13.5148, 28.6948

Triad

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



15.1811, 13.5148, 37.8849



17.0848, 13.5148, 4.8495



7.6954, 13.5148, 12.1720

Complementary

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



15.1811, 13.5148, 37.8849



29.1682, 32.2387, 13.7029

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.



8.6436, 13.5148, 6.2246



15.1811, 13.5148, 37.8849



13.8136, 13.5148, 3.2992

Square

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



15.1811, 13.5148, 37.8849



19.4459, 13.5148, 9.2567



10.7625, 13.5148, 3.6697



7.9382, 13.5148, 21.9838

Rectangle

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



15.1811, 13.5148, 37.8849



19.5545, 13.5148, 21.1493



10.7625, 13.5148, 3.6697



7.8787, 13.5148, 9.7397

Sweetspot

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



15.1816, 13.5153, 37.8852



51.3903, 52.5870, 72.9170



23.4124, 31.6372, 35.5105



11.0784, 11.2781, 16.2451



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.



15.1816, 13.5153, 37.8852



22.6462, 18.5736, 67.8668



17.3161, 13.1914, 37.7102



7.2129, 7.4628, 9.4786



5.5981, 2.6564, 28.1932



0.1607, 0.1136, 0.6941

Inverse Universe

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



21.3392, 15.8059, 13.4818



35.3096, 23.7123, 17.5831



25.8963, 33.3941, 14.0984



7.5721, 7.5587, 8.0638



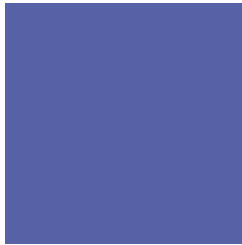
12.3263, 6.3392, 1.2637



0.3123, 0.1592, 0.0958

Previews

White Background



This preview shows how the XYZ color 15.1811, 13.5148, 37.8849 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 15.1811, 13.5148, 37.8849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

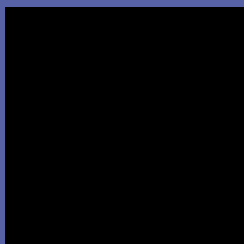
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1811, 13.5148, 37.8849

Background



This preview shows how black text looks on a background with the XYZ color 15.1811, 13.5148, 37.8849.



This preview shows how white text looks on a background with the XYZ color 15.1811, 13.5148,

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

15.1811, 13.5148, 37.8849

Protanopia

14.5267, 13.4374, 38.8738

Deuteranopia

13.8885, 13.5754, 37.4856



Tritanopia

11.4272, 13.6381, 18.8598

Trichromacy



Original Color

15.1811, 13.5148, 37.8849

Protanomaly

14.6613, 13.3760, 38.3683

Deuteranomaly

14.2693, 13.4798, 37.4471

Tritanomaly

12.5666, 13.4721, 24.8597

Monochromacy



Original Color

15.1811, 13.5148, 37.8849

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2851, 13.3294, 21.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1811, 13.5148, 37.8849 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(87, 98, 166)` looks like.

```
.text, #text, p{  
    color:rgb(87, 98, 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(87, 98, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 98, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.1811, 13.5148, 37.8849 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(87, 98, 166) }
```


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

```
.border{ border-color:rgb(87, 98, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 98, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 98, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 98, 166);  
box-shadow:4px 4px 4px 4px rgb(87, 98,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1811, 13.5148, 37.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 98, 166) }
```

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

```
.background{ background-color: rgb(87, 98,  
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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