

Converting Colors

XYZ(15.7606, 13.6386, 37.7592)

Have a look what the booklet for
XYZ(15.7606, 13.6386, 37.7592)
contains.

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Color

**XYZ(15.7737, 13.6822,
37.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	5E61A6
RGB	94, 97, 166
RGB Percent	37%, 38%, 65%
CMY	0.6314, 0.6196, 0.3490
CMYK	0.43, 0.42, 0.00, 0.35
HSL	238°, 29%, 51%
HSV	238°, 43%, 65%
XYZ	15.7737, 13.6822, 37.8860
YIQ	103.9690, -23.9370, 20.8230

Conversions

Conversions Part 2

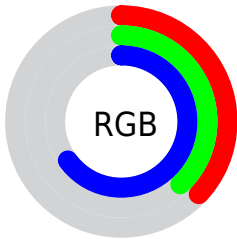
Format	Color
R_{YB}	94, 97, 166
Decimal	6185382
CIE _{Lab}	43.77, 17.12, -37.61
CIE _{LCh}	44, 41.327, 294.479
Yxy	13.6822, 0.2342, 0.2032
Android (android.graphics.Color)	4284375462 (0xFF5E61A6)
YUV	103.9690, 30.5813, -8.7428
Hunter-Lab	36.9895, 11.3876, -34.8344

Details

The XYZ color **15.7737, 13.6822, 37.8860** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.8442, 35.1105, 15.7417**, and the grayscale version is **13.0756, 13.7566, 14.9809**.

A 20% lighter version of the original color is **35.6976, 32.3838, 72.7758**, and **5.1355, 4.0540, 16.4314** is the 20% darker color. If you saturate the color by 10%, you get **12.9255, 10.2464, 37.3732**, and if you desaturate by 10%, it is **19.2838, 17.8972, 38.5148**.

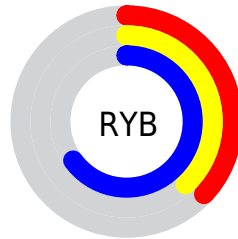
Distribution



Red (37%)

Green (38%)

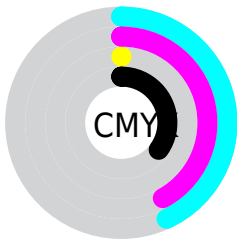
Blue (65%)



Red (37%)

Yellow (38%)

Blue (65%)

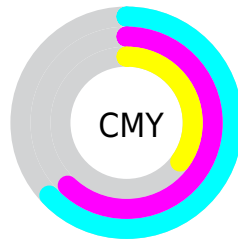


Cyan (43%)

Magenta (42%)

Yellow (0%)

Black (35%)



Cyan (63%)

Magenta (62%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7737, 13.6822, 37.8860 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 15.7737, 13.6822, 37.8860 by changing the saturation by 10% instead.

■ 15.7737, 13.6822,
37.8860

■ 15.7737, 13.6822,
37.8860

221.2994,
215.2447, 352.4142

■ 9.4540, 7.9000,
25.5931

■ 35.7655, 32.5241,
73.1349

■ 5.0979, 4.0310,
16.2964

■ 50.1683, 46.3525,
96.9279

■ 2.3402, 1.6909,
9.5775

■ 67.9962, 63.6318,
125.3913

■ 0.8151, 0.4178,
5.0178

■ 89.6146, 84.7463,
158.9438

■ 0.0000, 0.0000,
2.1988

115.3887,
110.0804, 198.0037

■ 0.0000, 0.0000,
0.6737

145.6840,

■ 0.0000, 0.0000,

140.0186, 242.9898

0.0000

180.8657,
174.9453, 294.3204

■ 15.7737, 13.6822,
37.8860

■ 15.7737, 13.6822,
37.8860

■ 12.9255, 10.2464,
37.3732

■ 19.2838, 17.8972,
38.5148

■ 10.6962, 7.5408,
36.9685

■ 23.4921, 22.9337,
39.2652

■ 9.0403, 5.5129,
36.6643

■ 28.4341, 28.8325,
40.1433

■ 7.9052, 4.1027,
36.4519

■ 34.1424, 35.6313,
41.1547

■ 7.2287, 3.2396,
36.3210

■ 40.6477, 43.3656,
42.3047

■ 6.9580, 2.9033,
36.2704

■ 47.9790, 52.0691,
43.5983

■ 56.1638, 61.7736,
45.0400

■ 65.2283, 72.5096,
46.6345

■ 75.1978, 84.3062,
48.3861

Harmonies

Analogous

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



12.4117, 13.6822, 40.8044



15.7737, 13.6822, 37.8860



18.7917, 13.6822, 27.9249

Triad

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



15.7737, 13.6822, 37.8860



16.9897, 13.6822, 4.5536



7.7172, 13.6822, 13.2389

Complementary

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



15.7737, 13.6822, 37.8860



30.8442, 35.1105, 15.7417

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.



8.5472, 13.6822, 6.7224



15.7737, 13.6822, 37.8860



13.6159, 13.6822, 3.2316

Square

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



15.7737, 13.6822, 37.8860



19.5718, 13.6822, 8.6370



10.5800, 13.6822, 3.8152



8.1001, 13.6822, 23.6261

Rectangle

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



15.7737, 13.6822, 37.8860



20.0141, 13.6822, 20.2265



10.5800, 13.6822, 3.8152



7.8587, 13.6822, 10.5980

Sweetspot

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



15.7742, 13.6827, 37.8863



51.7307, 52.4779, 72.8780



24.8100, 32.2754, 39.2917



11.1197, 11.1990, 16.2277



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.



15.7742, 13.6827, 37.8863



23.6457, 18.8228, 67.8622



19.5496, 15.2254, 37.9851



7.1559, 7.3488, 9.4596



5.4042, 2.2687, 28.1286



0.1391, 0.0704, 0.6869

Inverse Universe

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



21.8867, 16.9761, 13.4328



36.2414, 25.7205, 17.4474



25.4250, 33.1165, 15.6425



7.5433, 7.5472, 7.9122



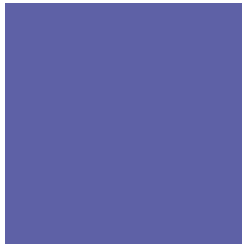
12.2284, 6.3001, 0.7484



0.3014, 0.1548, 0.0384

Previews

White Background



This preview shows how the XYZ color 15.7737, 13.6822, 37.8860 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 15.7737, 13.6822, 37.8860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

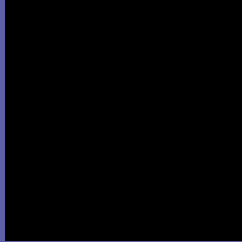
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7737, 13.6822, 37.8860

Background



This preview shows how black text looks on a background with the XYZ color 15.7737, 13.6822, 37.8860.

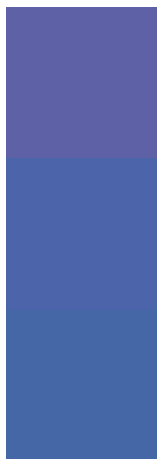


This preview shows how white text looks on a background with the XYZ color 15.7737, 13.6822,

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

15.7737, 13.6822, 37.8860

Protanopia

14.8899, 13.7461, 39.8987

Deuteranopia

14.0960, 13.6823, 37.4953



Tritanopia

11.9083, 13.7354, 18.5466

Trichromacy



Original Color

15.7737, 13.6822, 37.8860

Protanomaly

15.2859, 13.8179, 39.3976

Deuteranomaly

14.5871, 13.6437, 37.4620

Tritanomaly

13.0911, 13.6003, 24.4894

Monochromacy



Original Color

15.7737, 13.6822, 37.8860

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.7400, 13.5490, 21.9697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7737, 13.6822, 37.8860 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(94, 97, 166) looks like.

```
.text, #text, p{  
    color:rgb(94, 97, 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(94, 97, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 97, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.7737, 13.6822, 37.8860 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(94, 97, 166) }
```


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

```
.border{ border-color:rgb(94, 97, 166) }
```

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

Here you see how a box with a 4 pixel rgb(94, 97, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 97, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 97, 166);  
box-shadow:4px 4px 4px 4px rgb(94, 97,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7737, 13.6822, 37.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 97, 166) }
```

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

```
.background{ background-color: rgb(94, 97,  
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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