

Converting Colors

XYZ(15.3615, 13.0724, 37.6699)

Have a look what the booklet for
XYZ(15.3615, 13.0724, 37.6699)
contains.

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Color

**XYZ(15.3998, 13.0857,
37.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	5D5EA6
RGB	93, 94, 166
RGB Percent	36%, 37%, 65%
CMY	0.6353, 0.6314, 0.3490
CMYK	0.44, 0.43, 0.00, 0.35
HSL	239°, 29%, 51%
HSV	239°, 44%, 65%
XYZ	15.3998, 13.0857, 37.7905
YIQ	101.9090, -23.7080, 22.1800

Conversions

Conversions Part 2

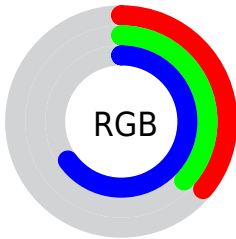
Format	Color
R_{YB}	93, 94, 166
Decimal	6119078
CIE _{Lab}	42.89, 18.74, -39.01
CIE _{LCh}	43, 43.280, 295.652
Yxy	13.0857, 0.2324, 0.1974
Android (android.graphics.Color)	4284309158 (0xFF5D5EA6)
YUV	101.9090, 31.5969, -7.8132
Hunter-Lab	36.1742, 12.6849, -36.6173

Details

The XYZ color **15.3998, 13.0857, 37.7905** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.1574, 35.8084, 15.6262**, and the grayscale version is **12.5306, 13.1831, 14.3564**.

A 20% lighter version of the original color is **35.1907, 31.4235, 73.3178**, and **4.9309, 3.7601, 16.3855** is the 20% darker color. If you saturate the color by 10%, you get **12.5937, 9.7024, 37.2856**, and if you desaturate by 10%, it is **18.8805, 17.2756, 38.4160**.

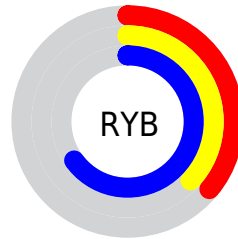
Distribution



Red (36%)

Green (37%)

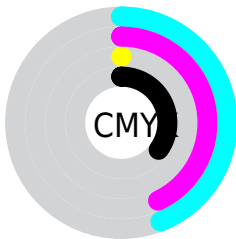
Blue (65%)



Red (36%)

Yellow (37%)

Blue (65%)

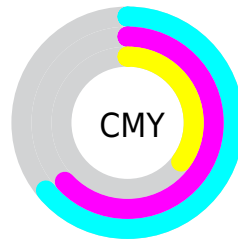


Cyan (44%)

Magenta (43%)

Yellow (0%)

Black (35%)



Cyan (64%)

Magenta (63%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3998, 13.0857, 37.7905 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 15.3998, 13.0857, 37.7905 by changing the saturation by 10% instead.

■ 15.3998, 13.0857,
37.7905

■ 15.3998, 13.0857,
37.7905

219.1142,
211.4662, 351.9916

■ 9.1886, 7.4876,
25.5196

■ 35.1190, 31.4577,
72.9868

■ 4.9225, 3.7689,
16.2420

■ 49.3576, 45.0003,
96.7492

■ 2.2361, 1.5451,
9.5394

■ 67.0028, 61.9599,
125.1792

■ 0.7617, 0.3202,
4.9931

■ 88.4199, 82.7209,
158.6953

■ 0.0000, 0.0000,
2.1845

113.9742,
107.6676, 197.7160

■ 0.0000, 0.0000,
0.6654

144.0312,

■ 0.0000, 0.0000,

137.1844, 242.6600

0.0000

178.9560,
171.6558, 293.9457

■ 15.3998, 13.0857,
37.7905

■ 15.3998, 13.0857,
37.7905

■ 12.5937, 9.7024,
37.2856

■ 18.8805, 17.2756,
38.4160

■ 10.4170, 7.0725,
36.8927

■ 23.0739, 22.3179,
39.1683

■ 8.8217, 5.1390,
36.6036

■ 28.0172, 28.2564,
40.0540

■ 7.7520, 3.8357,
36.4084

■ 33.7443, 35.1317,
41.0792

■ 7.1413, 3.0840,
36.2955

■ 40.2874, 42.9820,
42.2496

■ 6.9076, 2.8025,
36.2535

■ 47.6766, 51.8431,
43.5705

■ 55.9405, 61.7492,
45.0470

■ 65.1067, 72.7327,
46.6840

■ 75.2011, 84.8249,
48.4860

Harmonies

Analogous

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



11.9614, 13.0857, 41.2301



15.3998, 13.0857, 37.7905



18.4640, 13.0857, 27.1982

Triad

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



15.3998, 13.0857, 37.7905



16.3833, 13.0857, 3.8784



7.1115, 13.0857, 12.9109

Complementary

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



15.3998, 13.0857, 37.7905



31.1574, 35.8084, 15.6262

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.



7.8899, 13.0857, 6.2424



15.3998, 13.0857, 37.7905



12.9262, 13.0857, 2.7085

Square

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



15.3998, 13.0857, 37.7905



19.0988, 13.0857, 7.7268



9.8819, 13.0857, 3.3267



7.5391, 13.0857, 23.6801

Rectangle

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



15.3998, 13.0857, 37.7905



19.6749, 13.0857, 19.2568



9.8819, 13.0857, 3.3267



7.2363, 13.0857, 10.1932

Sweetspot

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



15.4003, 13.0862, 37.7908



51.5608, 52.1381, 72.8214



24.9227, 32.3087, 40.4169



11.0769, 11.1133, 16.2134



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.



15.4003, 13.0862, 37.7908



22.8514, 17.6031, 67.6686



19.7426, 15.1938, 37.9688



7.1397, 7.3164, 9.4542



5.3593, 2.1789, 28.1136



0.1329, 0.0580, 0.6848

Inverse Universe

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



21.6610, 16.7445, 12.6803



35.7504, 25.1793, 15.9249



24.9287, 32.8658, 15.3865



7.5351, 7.5439, 7.8692



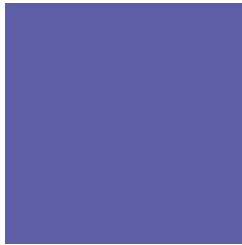
12.2057, 6.2910, 0.6291



0.2982, 0.1536, 0.0219

Previews

White Background



This preview shows how the XYZ color 15.3998, 13.0857, 37.7905 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 15.3998, 13.0857, 37.7905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

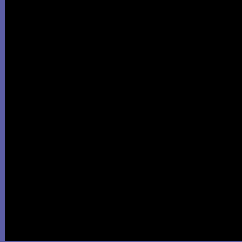
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3998, 13.0857, 37.7905

Background



This preview shows how black text looks on a background with the XYZ color 15.3998, 13.0857, 37.7905.

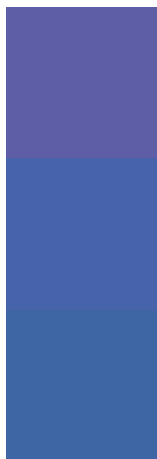


This preview shows how white text looks on a background with the XYZ color 15.3998, 13.0857,

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

15.3998, 13.0857, 37.7905

Protanopia

14.3161, 13.1656, 39.8169

Deuteranopia

13.5021, 13.2398, 36.9659



Tritanopia

11.4157, 13.1852, 17.8629

Trichromacy



Original Color

15.3998, 13.0857, 37.7905

Protanomaly

14.6606, 13.0762, 39.2874

Deuteranomaly

14.0774, 13.0961, 37.3832

Tritanomaly

12.6412, 13.0810, 24.0489

Monochromacy



Original Color

15.3998, 13.0857, 37.7905

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.3091, 13.0570, 21.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3998, 13.0857, 37.7905 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(93, 94, 166)` looks like.

```
.text, #text, p{  
    color:rgb(93, 94, 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(93, 94, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 94, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.3998, 13.0857, 37.7905 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(93, 94, 166) }
```


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

```
.border{ border-color:rgb(93, 94, 166) }
```

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

Here you see how a box with a 4 pixel rgb(93, 94, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 94, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 94, 166);  
box-shadow:4px 4px 4px 4px rgb(93, 94,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3998, 13.0857, 37.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 94, 166) }
```

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

```
.background{ background-color: rgb(93, 94,  
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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