

Converting Colors

XYZ(15.3370, 16.8401, 37.0941)

Have a look what the booklet for
XYZ(15.3370, 16.8401, 37.0941)
contains.

XYZ(15.2693, 16.7250, 37.0738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.2693, 16.7250,
37.0738)**

Conversions

Conversions Part 1

Format	Color
Hex	4176A3
RGB	65, 118, 163
RGB Percent	25%, 46%, 64%
CMY	0.7451, 0.5372, 0.3608
CMYK	0.60, 0.28, 0.00, 0.36
HSL	208°, 43%, 45%
HSV	208°, 60%, 64%
XYZ	15.2693, 16.7250, 37.0738
YIQ	107.2830, -46.0330, 2.7590

Conversions

Conversions Part 2

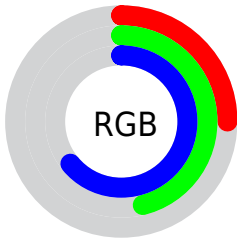
Format	Color
R _Y B	65, 99, 163
Decimal	4290211
CIE _{Lab}	47.91, -3.67, -29.47
CIE _{LCh}	48, 29.693, 262.896
Y _{xy}	16.7250, 0.2211, 0.2422
Android (android.graphics.Color)	4282480291 (0xFF4176A3)
Y _{UV}	107.2830, 27.4685, -37.0822
Hunter-Lab	40.8962, -4.9223, -25.1210

Details

The XYZ color **15.2693, 16.7250, 37.0738** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.6352, 19.3213, 7.5910**, and the grayscale version is **13.9896, 14.7181, 16.0280**.

A 20% lighter version of the original color is **34.9148, 37.8764, 71.8003**, and **5.0594, 5.5280, 15.8393** is the 20% darker color. If you saturate the color by 10%, you get **13.4952, 14.5537, 36.7485**, and if you desaturate by 10%, it is **17.4259, 19.1980, 37.4378**.

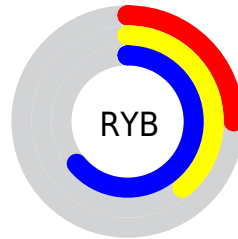
Distribution



Red (25%)

Green (46%)

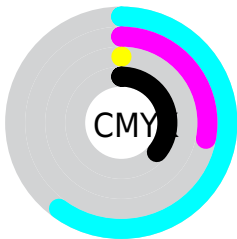
Blue (64%)



Red (25%)

Yellow (39%)

Blue (64%)

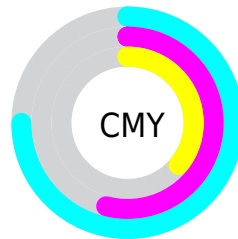


Cyan (60%)

Magenta (28%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2693, 16.7250, 37.0738 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 15.2693, 16.7250, 37.0738 by changing the saturation by 10% instead.

■ 15.2693, 16.7250,
37.0738

■ 15.2693, 16.7250,
37.0738

218.3467,
233.5826, 348.8082

■ 9.0961, 10.0386,
24.9684

■ 34.8927, 37.8523,
71.8739

■ 4.8616, 5.4246,
15.8347

■ 49.0737, 53.0621,
95.4056

■ 2.2002, 2.4985,
9.2542

■ 66.6546, 71.8818,
123.5832

■ 0.7428, 0.8759,
4.8083

■ 88.0010, 94.6957,
156.8253

■ 0.0000, 0.0000,
2.0784

■ 113.4779,
121.8884, 195.5502

■ 0.0000, 0.0000,
0.6029

143.4510,

■ 0.0000, 0.0000,

153.8442, 240.1767

0.0000

178.2855,
190.9475, 291.1232

■ 15.2693, 16.7250,
37.0738

■ 15.2693, 16.7250,
37.0738

■ 13.4952, 14.5537,
36.7485

■ 17.4259, 19.1980,
37.4378

■ 12.0726, 12.6647,
36.4589

■ 19.9891, 21.9864,
37.8409

■ 10.9680, 11.0387,
36.2033

■ 22.9831, 25.1053,
38.2851

■ 10.1130, 9.6486,
35.9800

■ 26.4292, 28.5680,
38.7719

■ 30.3476, 32.3868,
39.3024

■ 34.7570, 36.5734,
39.8781

■ 39.6751, 41.1391,
40.5002

■ 45.1186, 46.0944,
41.1698

■ 51.1035, 51.4493,
41.8879

Harmonies

Analogous

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



12.9929, 16.7250, 32.6558



15.2693, 16.7250, 37.0738



17.9815, 16.7250, 35.4176

Triad

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



15.2693, 16.7250, 37.0738



21.1178, 16.7250, 13.0627



12.1393, 16.7250, 10.6951

Complementary

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



15.2693, 16.7250, 37.0738



21.6352, 19.3213, 7.5910

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.



13.9794, 16.7250, 7.7369



15.2693, 16.7250, 37.0738



19.2036, 16.7250, 8.8122

Square

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



15.2693, 16.7250, 37.0738



21.5626, 16.7250, 20.0928



16.5409, 16.7250, 7.1602



11.3218, 16.7250, 16.4500

Rectangle

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



15.2693, 16.7250, 37.0738



19.6585, 16.7250, 31.2649



16.5409, 16.7250, 7.1602



12.6482, 16.7250, 9.4147

Sweetspot

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



15.2699, 16.7256, 37.0742



48.5222, 52.3362, 69.6006



18.0436, 28.4250, 19.0328



10.4825, 11.3442, 15.5747



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.2699, 16.7256, 37.0742



23.2832, 24.9226, 65.6395



10.9756, 8.1369, 35.6428



7.0029, 7.4647, 8.9748



7.9055, 7.5903, 27.9782



0.2127, 0.2527, 0.6034

Inverse Universe

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



20.2651, 12.8759, 18.5572



33.4860, 19.0432, 27.3736



28.3028, 32.6565, 9.8136



7.2264, 7.1470, 8.1787



13.1358, 6.6104, 7.9056



0.2995, 0.1483, 0.2900

Previews

White Background



This preview shows how the XYZ color 15.2693, 16.7250, 37.0738 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 15.2693, 16.7250, 37.0738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

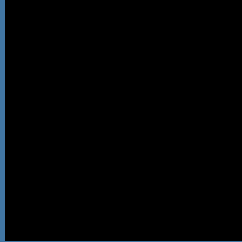
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2693, 16.7250, 37.0738

Background



This preview shows how black text looks on a background with the XYZ color 15.2693, 16.7250, 37.0738.

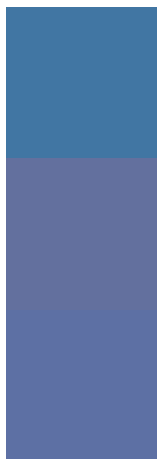


This preview shows how white text looks on a background with the XYZ color 15.2693, 16.7250,

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

15.2693, 16.7250, 37.0738

Protanopia

17.1113, 16.7096, 34.6712

Deuteranopia

17.0092, 16.5958, 37.4288



Tritanopia

12.9269, 16.8666, 25.1285

Trichromacy



Original Color

15.2693, 16.7250, 37.0738

Protanomaly

16.2930, 16.5989, 35.6029

Deuteranomaly

16.2854, 16.5540, 37.4589

Tritanomaly

13.7577, 16.8333, 29.3121

Monochromacy



Original Color

15.2693, 16.7250, 37.0738

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9288, 15.1765, 22.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2693, 16.7250, 37.0738 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(65, 118, 163)` looks like.

```
.text, #text, p{  
    color:rgb(65, 118, 163)  
}
```

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(65, 118, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 118, 163) }
```

Border

The CSS property to change the border of an element to XYZ 15.2693, 16.7250, 37.0738 is called "border". The border property can be set on classes, ids or directly on the HTML element.

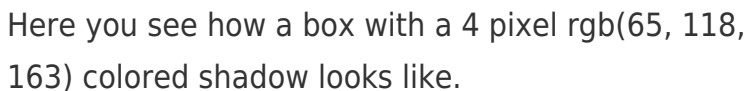
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 118, 163) }
```


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

```
.border{ border-color:rgb(65, 118, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(65, 118, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 118, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 118, 163); box-shadow:4px 4px 4px 4px rgb(65, 118, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2693, 16.7250, 37.0738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 118, 163) }
```

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

```
.background{ background-color: rgb(65, 118,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor