

Converting Colors

XYZ(15.8129, 17.8194, 37.7356)

Have a look what the booklet for
XYZ(15.8129, 17.8194, 37.7356)
contains.

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Color

**XYZ(15.8337, 17.9030,
37.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7BA4
RGB	63, 123, 164
RGB Percent	25%, 48%, 64%
CMY	0.7529, 0.5176, 0.3569
CMYK	0.62, 0.25, 0.00, 0.36
HSL	204°, 44%, 45%
HSV	204°, 62%, 64%
XYZ	15.8337, 17.9030, 37.7431
YIQ	109.7340, -48.9210, 0.0310

Conversions

Conversions Part 2

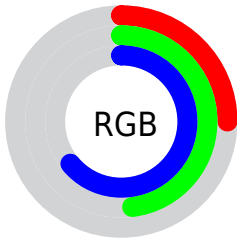
Format	Color
R _Y B	63, 101, 164
Decimal	4160420
CIE Lab	49.38, -6.69, -27.77
CIE LCh	49, 28.566, 256.465
Yxy	17.9030, 0.2215, 0.2505
Android (android.graphics.Color)	4282350500 (0xFF3F7BA4)
YUV	109.7340, 26.7531, -40.9857
Hunter-Lab	42.3119, -7.2488, -23.2695

Details

The XYZ color **15.8337, 17.9030, 37.7431** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.1581, 18.1531, 7.0922**, and the grayscale version is **14.6814, 15.4460, 16.8207**.

A 20% lighter version of the original color is **35.7239, 39.6964, 72.7971**, and **5.3734, 6.0674, 16.2172** is the 20% darker color. If you saturate the color by 10%, you get **14.1402, 15.8456, 37.4356**, and if you desaturate by 10%, it is **17.8966, 20.2348, 38.0848**.

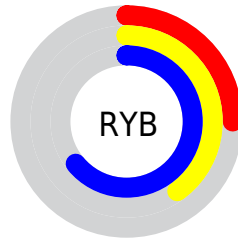
Distribution



Red (25%)

Green (48%)

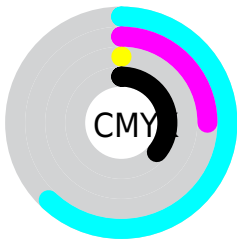
Blue (64%)



Red (25%)

Yellow (40%)

Blue (64%)

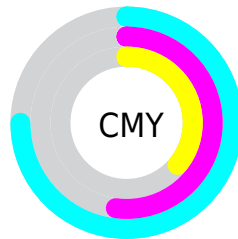


Cyan (62%)

Magenta (25%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8337, 17.9030, 37.7431 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 15.8337, 17.9030, 37.7431 by changing the saturation by 10% instead.

■ 15.8337, 17.9030,
37.7431

■ 15.8337, 17.9030,
37.7431

■ 221.6481,
240.3237, 351.7817

■ 9.4967, 10.8804,
25.4831

■ 35.8690, 39.8720,
72.9133

■ 5.1262, 5.9864,
16.2150

■ 50.2980, 55.5871,
96.6605

■ 2.3570, 2.8368,
9.5204

■ 68.1551, 74.9685,
125.0738

■ 0.8236, 1.0472,
4.9808

■ 89.8055, 98.4006,
158.5719

■ 0.0000, 0.0000,
2.1774

■ 115.6147,
126.2678, 197.5732

■ 0.0000, 0.0000,
0.6613

145.9479,

■ 0.0000, 0.0000,

158.9544, 242.4962

0.0000

181.1706,
196.8450, 293.7595

■ 15.8337, 17.9030,
37.7431

■ 15.8337, 17.9030,
37.7431

■ 14.1402, 15.8456,
37.4356

■ 17.8966, 20.2348,
38.0848

■ 12.7845, 14.0438,
37.1593

■ 20.3532, 22.8543,
38.4610

■ 11.7321, 12.4784,
36.9126

■ 23.2278, 25.7759,
38.8734

■ 11.0150, 11.3084,
36.7245

■ 26.5421, 29.0121,
39.3233

■ 30.3161, 32.5749,
39.8121

■ 34.5686, 36.4754,
40.3408

■ 39.3173, 40.7240,
40.9106

■ 44.5788, 45.3307,
41.5225

■ 50.3692, 50.3052,
42.1775

Harmonies

Analogous

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



13.6950, 17.9030, 32.3318



15.8337, 17.9030, 37.7431



18.5255, 17.9030, 37.4392

Triad

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



15.8337, 17.9030, 37.7431



22.4768, 17.9030, 15.5874



13.5338, 17.9030, 10.9636

Complementary

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



15.8337, 17.9030, 37.7431



21.1581, 18.1531, 7.0922

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.



15.5913, 17.9030, 8.4553



15.8337, 17.9030, 37.7431



20.8352, 17.9030, 10.6025

Square

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



15.8337, 17.9030, 37.7431



22.5593, 17.9030, 23.1715



18.2563, 17.9030, 8.3434



12.4648, 17.9030, 16.2266

Rectangle

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



15.8337, 17.9030, 37.7431



20.2808, 17.9030, 34.0058



18.2563, 17.9030, 8.3434



14.1223, 17.9030, 9.8389

Sweetspot

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



15.8343, 17.9036, 37.7435



50.3069, 54.6932, 71.6577



17.7943, 28.5955, 17.5201



10.5983, 11.5758, 15.6133



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.



15.8343, 17.9036, 37.7435



24.6599, 27.4632, 67.7535



11.1406, 8.5162, 36.1790



7.0338, 7.5266, 8.9851



8.4933, 8.7660, 28.1741



0.2231, 0.2735, 0.6069

Inverse Universe

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



20.6631, 12.8783, 20.1361



34.6825, 19.3221, 30.6940



27.7467, 31.3302, 9.2883



7.2420, 7.1533, 8.2609



13.4325, 6.7291, 9.4680



0.3048, 0.1504, 0.3177

Previews

White Background



This preview shows how the XYZ color 15.8337, 17.9030, 37.7431 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 15.8337, 17.9030, 37.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

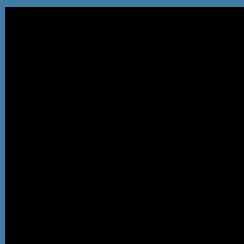
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

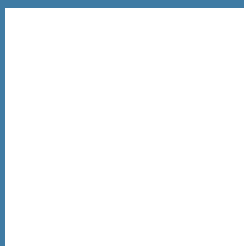
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8337, 17.9030, 37.7431

Background



This preview shows how black text looks on a background with the XYZ color 15.8337, 17.9030, 37.7431.

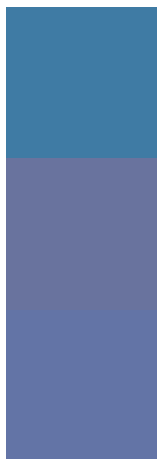


This preview shows how white text looks on a background with the XYZ color 15.8337, 17.9030,

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

15.8337, 17.9030, 37.7431

Protanopia

18.1280, 17.7333, 34.8152

Deuteranopia

18.2739, 17.8966, 38.5676



Tritanopia

13.6719, 17.9771, 26.7941

Trichromacy



Original Color

15.8337, 17.9030, 37.7431

Protanomaly

17.0400, 17.6686, 35.7700

Deuteranomaly

17.2261, 17.8887, 38.1423

Tritanomaly

14.3029, 17.8405, 30.2935

Monochromacy



Original Color

15.8337, 17.9030, 37.7431

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.6742, 16.2003, 23.4727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8337, 17.9030, 37.7431 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(63, 123, 164)` looks like.

```
.text, #text, p{  
    color:rgb(63, 123, 164)  
}
```

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(63, 123, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 123, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.8337, 17.9030, 37.7431 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(63, 123, 164) }
```


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

```
.border{ border-color:rgb(63, 123, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 123, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 123, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 123, 164);  
box-shadow:4px 4px 4px 4px rgb(63, 123,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8337, 17.9030, 37.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 123, 164) }
```

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

```
.background{ background-color: rgb(63, 123,  
164) }
```

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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