

Converting Colors

XYZ(15.4390, 17.8175, 37.7478)

Have a look what the booklet for
XYZ(15.4390, 17.8175, 37.7478)
contains.

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Color

**XYZ(15.4840, 17.9079,
37.7624)**

Conversions

Conversions Part 1

Format	Color
Hex	377CA4
RGB	55, 124, 164
RGB Percent	22%, 49%, 64%
CMY	0.7843, 0.5137, 0.3569
CMYK	0.66, 0.24, 0.00, 0.36
HSL	202°, 50%, 43%
HSV	202°, 66%, 64%
XYZ	15.4840, 17.9079, 37.7624
YIQ	107.9290, -53.9640, -2.1880

Conversions

Conversions Part 2

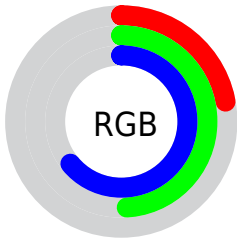
Format	Color
RYB	55, 97, 164
Decimal	3636388
CIELab	49.38, -8.75, -27.79
CIELCh	49, 29.132, 252.517
Yxy	17.9079, 0.2176, 0.2517
Android (android.graphics.Color)	4281826468 (0xFF377CA4)
YUV	107.9290, 27.6430, -46.4187
Hunter-Lab	42.3177, -8.7431, -23.2853

Details

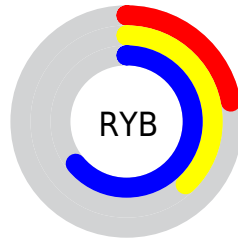
The XYZ color **15.4840, 17.9079, 37.7624** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.0922, 16.3535, 5.7126**, and the grayscale version is **14.1705, 14.9085, 16.2353**.

A 20% lighter version of the original color is **35.1216, 39.6759, 72.8249**, and **5.4407, 6.2020, 16.2396** is the 20% darker color. If you saturate the color by 10%, you get **13.9992, 16.0570, 37.4838**, and if you desaturate by 10%, it is **17.3146, 20.0060, 38.0712**.

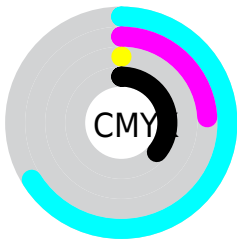
Distribution



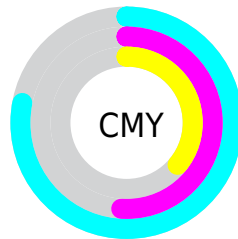
- Red (22%)
- Green (49%)
- Blue (64%)



- Red (22%)
- Yellow (38%)
- Blue (64%)



- Cyan (66%)
- Magenta (24%)
- Yellow (0%)
- Black (36%)



- Cyan (78%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4840, 17.9079, 37.7624 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 15.4840, 17.9079, 37.7624 by changing the saturation by 10% instead.

■ 15.4840, 17.9079,
37.7624

■ 15.4840, 17.9079,
37.7624

219.6081,
240.3514, 351.8672

■ 9.2483, 10.8839,
25.4979

■ 35.2648, 39.8803,
72.9432

■ 4.9619, 5.9888,
16.2260

■ 49.5406, 55.5975,
96.6966

■ 2.2594, 2.8383,
9.5282

■ 67.2271, 74.9812,
125.1167

■ 0.7738, 1.0479,
4.9858

■ 88.6897, 98.4159,
158.6221

■ 0.0000, 0.0000,
2.1803

■ 114.2937,
126.2858, 197.6313

■ 0.0000, 0.0000,
0.6630

144.4046,

■ 0.0000, 0.0000,

158.9755, 242.5629

0.0000

179.3876,
196.8692, 293.8353

■ 15.4840, 17.9079,
37.7624

■ 15.4840, 17.9079,
37.7624

■ 13.9992, 16.0570,
37.4838

■ 17.3146, 20.0060,
38.0712

■ 12.8266, 14.4339,
37.2323

■ 19.5166, 22.3648,
38.4105

■ 11.9221, 13.0149,
37.0060

■ 22.1152, 24.9987,
38.7819

■ 11.6328, 12.5441,
36.9304

■ 25.1326, 27.9204,
39.1868

■ 28.5894, 31.1414,
39.6264

■ 32.5047, 34.6728,
40.1016

■ 36.8964, 38.5248,
40.6137

■ 41.7815, 42.7071,
41.1635

■ 47.1760, 47.2291,
41.7520

Harmonies

Analogous

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



13.4194, 17.9079, 31.6024



15.4840, 17.9079, 37.7624



18.1907, 17.9079, 38.2915

Triad

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



15.4840, 17.9079, 37.7624



22.7111, 17.9079, 16.4025



13.6972, 17.9079, 10.3443

Complementary

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



15.4840, 17.9079, 37.7624



20.0922, 16.3535, 5.7126

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.



15.9024, 17.9079, 8.1514



15.4840, 17.9079, 37.7624



21.2152, 17.9079, 10.9631

Square

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



15.4840, 17.9079, 37.7624



22.5679, 17.9079, 24.4015



18.6563, 17.9079, 8.3424



12.4666, 17.9079, 15.3009

Rectangle

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



15.4840, 17.9079, 37.7624



20.0188, 17.9079, 35.2244



18.6563, 17.9079, 8.3424



14.3384, 17.9079, 9.3279

Sweetspot

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



15.4846, 17.9085, 37.7628



49.3400, 54.1711, 71.6079



16.9156, 28.1892, 15.3689



10.4231, 11.5037, 15.6086



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.



15.4846, 17.9085, 37.7628



24.2701, 27.6102, 67.8025



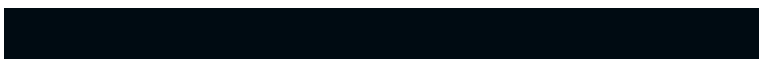
10.4381, 7.8154, 36.0807



7.0565, 7.5721, 8.9927



8.9659, 9.7112, 28.3317



0.2311, 0.2895, 0.6095

Inverse Universe

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



20.3146, 12.0807, 20.3306



34.2596, 18.2870, 31.1366



26.8213, 29.8117, 7.9557



7.2535, 7.1579, 8.3214



13.6710, 6.8245, 10.7243



0.3088, 0.1520, 0.3388

Previews

White Background



This preview shows how the XYZ color 15.4840, 17.9079, 37.7624 looks on a white background.

Color Contrast Check

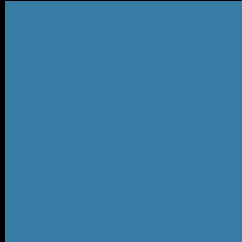
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4840, 17.9079, 37.7624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

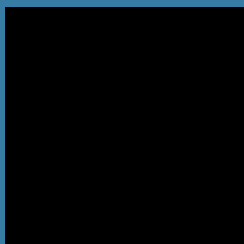
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

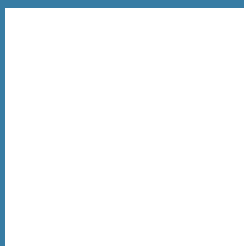
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4840, 17.9079, 37.7624

Background



This preview shows how black text looks on a background with the XYZ color 15.4840, 17.9079, 37.7624.

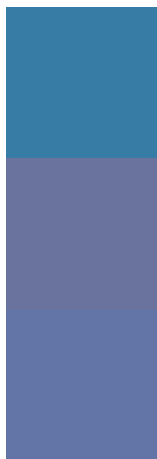


This preview shows how white text looks on a background with the XYZ color 15.4840, 17.9079,

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

15.4840, 17.9079, 37.7624

Protanopia

18.0422, 17.6990, 34.3636

Deuteranopia

18.2739, 17.8966, 38.5676



Tritanopia

13.3855, 18.0157, 27.1980

Trichromacy



Original Color

15.4840, 17.9079, 37.7624

Protanomaly

16.7541, 17.5212, 35.7566

Deuteranomaly

16.9556, 17.7493, 38.1296

Tritanomaly

14.0169, 17.8748, 30.7284

Monochromacy



Original Color

15.4840, 17.9079, 37.7624

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0334, 15.7170, 22.7161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4840, 17.9079, 37.7624 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(55, 124, 164)` looks like.

```
.text, #text, p{  
    color:rgb(55, 124, 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(55, 124, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 124, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.4840, 17.9079, 37.7624 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(55, 124, 164) }
```


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

```
.border{ border-color:rgb(55, 124, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 124, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 124, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 124, 164);  
box-shadow:4px 4px 4px 4px rgb(55, 124,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4840, 17.9079, 37.7624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 124, 164) }
```

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

```
.background{ background-color: rgb(55, 124,  
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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