

Converting Colors

XYZ(17.3624, 11.7737, 36.5650)

Have a look what the booklet for
XYZ(17.3624, 11.7737, 36.5650)
contains.

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Color

**XYZ(17.3180, 11.7888,
36.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	7B4AA4
RGB	123, 74, 164
RGB Percent	48%, 29%, 64%
CMY	0.5176, 0.7098, 0.3569
CMYK	0.25, 0.55, 0.00, 0.36
HSL	273°, 38%, 47%
HSV	273°, 55%, 64%
XYZ	17.3180, 11.7888, 36.4847
YIQ	98.9110, 0.3140, 38.3780

Conversions

Conversions Part 2

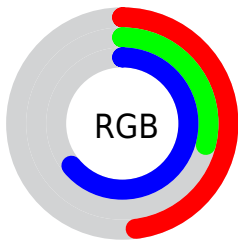
Format	Color
RYB	123, 74, 164
Decimal	8080036
CIELab	40.88, 38.29, -40.85
CIELCh	41, 55.990, 313.151
Yxy	11.7888, 0.2640, 0.1797
Android (android.graphics.Color)	4286270116 (0xFF7B4AA4)
YUV	98.9110, 32.0889, 21.1261
Hunter-Lab	34.3348, 29.9469, -38.9681

Details

The XYZ color **17.3180, 11.7888, 36.4847** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.5819, 30.6904, 11.2652**, and the grayscale version is **11.7595, 12.3719, 13.4730**.

A 20% lighter version of the original color is **38.4799, 29.2467, 70.6349**, and **5.8926, 3.2482, 15.6456** is the 20% darker color. If you saturate the color by 10%, you get **15.3342, 9.3474, 36.1182**, and if you desaturate by 10%, it is **19.6697, 14.8440, 36.9507**.

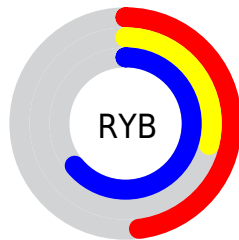
Distribution



Red (48%)

Green (29%)

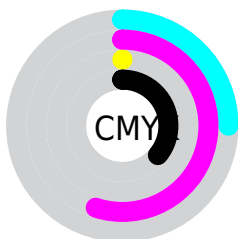
Blue (64%)



Red (48%)

Yellow (29%)

Blue (64%)

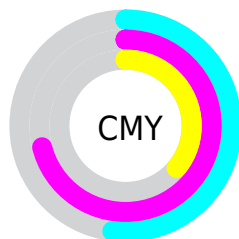


Cyan (25%)

Magenta (55%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (71%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3180, 11.7888, 36.4847 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 17.3180, 11.7888, 36.4847 by changing the saturation by 10% instead.

■ 17.3180, 11.7888,
36.4847

■ 17.3180, 11.7888,
36.4847

230.1190,
203.0020, 346.1754

■ 10.5582, 6.6000,
24.5161

■ 38.4110, 29.1099,
70.9570

■ 5.8357, 3.2132,
15.5012

■ 53.4749, 42.0109,
94.2978

■ 2.7851, 1.2441,
9.0214

■ 72.0375, 58.2516,
122.2664

■ 1.0412, 0.0973,
4.6581

■ 94.4642, 78.2162,
155.2813

■ 0.0000, 0.0000,
1.9929

■ 121.1203,
102.2891, 193.7611

■ 0.0000, 0.0000,
0.5509

152.3713,

■ 0.0000, 0.0000,

130.8548, 238.1244

0.0000

188.5824,
164.2977, 288.7897

■ 17.3180, 11.7888,
36.4847

■ 17.3180, 11.7888,
36.4847

■ 15.3342, 9.3474,
36.1182

■ 19.6697, 14.8440,
36.9507

■ 13.6925, 7.4721,
35.8428

■ 22.4099, 18.5530,
37.5222

■ 12.3653, 6.1102,
35.6499

■ 25.5592, 22.9539,
38.2056

■ 11.3183, 5.1961,
35.5286

■ 29.1362, 28.0816,
39.0068

■ 10.8487, 4.8186,
35.4805

■ 33.1583, 33.9684,
39.9311

■ 37.6418, 40.6446,
40.9835

■ 42.6022, 48.1390,
42.1686

■ 48.0543, 56.4788,
43.4910

■ 54.0120, 65.6900,
44.9549

Harmonies

Analogous

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



13.0438, 11.7888, 48.3540



17.3180, 11.7888, 36.4847



20.2751, 11.7888, 20.3214

Triad

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



17.3180, 11.7888, 36.4847



13.5806, 11.7888, 1.1977



5.2686, 11.7888, 18.5160

Complementary

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



17.3180, 11.7888, 36.4847



21.5819, 30.6904, 11.2652

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.



5.3465, 11.7888, 7.4598



17.3180, 11.7888, 36.4847



9.5475, 11.7888, 1.1238

Square

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



17.3180, 11.7888, 36.4847



17.7905, 11.7888, 2.9067



6.7319, 11.7888, 2.5496



6.4856, 11.7888, 34.5083

Rectangle

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



17.3180, 11.7888, 36.4847



20.7509, 11.7888, 11.6651



6.7319, 11.7888, 2.5496



5.1547, 11.7888, 14.0828

Sweetspot

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



17.3185, 11.7893, 36.4850



51.9138, 49.5645, 70.5831



15.7706, 16.6273, 37.5004



11.0659, 10.4270, 15.3669



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.



17.3185, 11.7893, 36.4850



27.0751, 16.0728, 65.4277



24.1919, 15.3636, 35.4089



7.0517, 7.0410, 8.8905



8.3737, 3.7233, 27.2071



0.2296, 0.1059, 0.5742

Inverse Universe

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



20.8534, 14.0282, 17.8283



34.6930, 20.8815, 25.9551



17.4393, 28.5429, 11.6117



7.2017, 7.1371, 8.0484



12.7285, 6.4475, 5.7609



0.2912, 0.1450, 0.2461

Previews

White Background



This preview shows how the XYZ color 17.3180, 11.7888, 36.4847 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 17.3180, 11.7888, 36.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

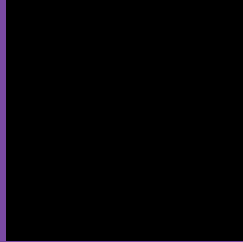
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3180, 11.7888, 36.4847

Background



This preview shows how black text looks on a background with the XYZ color 17.3180, 11.7888, 36.4847.



This preview shows how white text looks on a background with the XYZ color 17.3180, 11.7888,

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

17.3180, 11.7888, 36.4847

Protanopia

13.8267, 12.0704, 46.9485

Deuteranopia

12.2200, 11.9224, 34.4581



Tritanopia

12.6278, 11.8088, 13.1690

Trichromacy



Original Color

17.3180, 11.7888, 36.4847

Protanomaly

14.2457, 11.4866, 43.0613

Deuteranomaly

13.3987, 11.4673, 35.2254

Tritanomaly

13.9638, 11.6151, 19.9183

Monochromacy



Original Color

17.3180, 11.7888, 36.4847

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.4157, 11.9305, 20.3346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3180, 11.7888, 36.4847 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(123, 74, 164)` looks like.

```
.text, #text, p{  
    color:rgb(123, 74, 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(123, 74, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 74, 164) }
```

Border

The CSS property to change the border of an element to XYZ 17.3180, 11.7888, 36.4847 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(123, 74, 164) }
```


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

```
.border{ border-color:rgb(123, 74, 164) }
```

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

Here you see how a box with a 4 pixel rgb(123, 74, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 74, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 74, 164);  
box-shadow:4px 4px 4px 4px rgb(123, 74,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3180, 11.7888, 36.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 74, 164) }
```

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

```
.background{ background-color: rgb(123, 74,  
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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