

Converting Colors

XYZ(18.3143, 17.4700, 37.1517)

Have a look what the booklet for
XYZ(18.3143, 17.4700, 37.1517)
contains.

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Color

**XYZ(18.2249, 17.3977,
37.0479)**

Conversions

Conversions Part 1

Format	Color
Hex	6871A3
RGB	104, 113, 163
RGB Percent	41%, 44%, 64%
CMY	0.5921, 0.5569, 0.3608
CMYK	0.36, 0.31, 0.00, 0.36
HSL	231°, 24%, 52%
HSV	231°, 36%, 64%
XYZ	18.2249, 17.3977, 37.0479
YIQ	116.0090, -21.4140, 13.6420

Conversions

Conversions Part 2

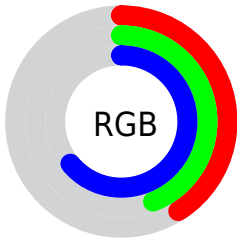
Format	Color
RYB	104, 112, 163
Decimal	6844835
CIELab	48.76, 9.20, -27.97
CIELCh	49, 29.448, 288.198
Yxy	17.3977, 0.2508, 0.2394
Android (android.graphics.Color)	4285034915 (0xFF6871A3)
YUV	116.0090, 23.1666, -10.5319
Hunter-Lab	41.7106, 4.9999, -23.4648

Details

The XYZ color **18.2249, 17.3977, 37.0479** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.1589, 31.8975, 17.7173**, and the grayscale version is **16.5397, 17.4010, 18.9497**.

A 20% lighter version of the original color is **40.0147, 39.1403, 71.7755**, and **6.2809, 5.7126, 15.8105** is the 20% darker color. If you saturate the color by 10%, you get **15.0871, 13.6641, 36.4929**, and if you desaturate by 10%, it is **21.9643, 21.7903, 37.6990**.

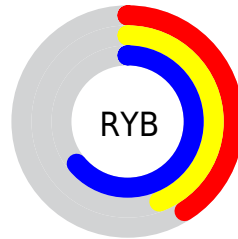
Distribution



Red (41%)

Green (44%)

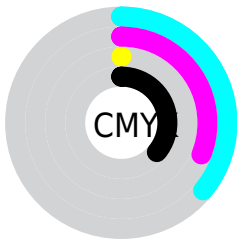
Blue (64%)



Red (41%)

Yellow (44%)

Blue (64%)

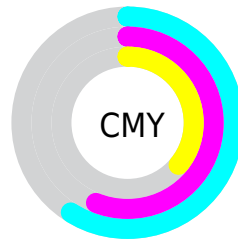


Cyan (36%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2249, 17.3977, 37.0479 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 18.2249, 17.3977, 37.0479 by changing the saturation by 10% instead.

■ 18.2249, 17.3977,
37.0479

■ 18.2249, 17.3977,
37.0479

235.1568,
237.4539, 348.6928

■ 11.2122, 10.5184,
24.9485

■ 39.9473, 39.0083,
71.8336

■ 6.2781, 5.7440,
15.8200

■ 55.3877, 54.5084,
95.3570

■ 3.0572, 2.6901,
9.2439

■ 74.3680, 73.6510,
123.5254

■ 1.1841, 0.9722,
4.8016

■ 97.2537, 96.8204,
156.7575

■ 0.0937, 0.0000,
2.0747

124.4101,
124.4010, 195.4717

■ 0.0000, 0.0000,
0.6006

156.2025,

■ 0.0000, 0.0000,

156.7771, 240.0867

0.0000

192.9963,
194.3333, 291.0208

■ 18.2249, 17.3977,
37.0479

■ 18.2249, 17.3977,
37.0479

■ 15.0871, 13.6641,
36.4929

■ 21.9643, 21.7903,
37.6990

■ 12.5172, 10.5555,
36.0284

■ 26.3327, 26.8698,
38.4492

■ 10.4812, 8.0378,
35.6497

■ 31.3582, 32.6649,
39.3029

■ 8.9406, 6.0727,
35.3516

■ 37.0666, 39.2018,
40.2638

■ 7.8512, 4.6172,
35.1281

■ 43.4823, 46.5058,
41.3354

■ 7.1559, 3.6191,
34.9721

■ 50.6283, 54.6007,
42.5213

■ 6.9557, 3.3339,
34.9276

■ 58.5269, 63.5093,
43.8245

■ 67.1993, 73.2536,
45.2482

■ 76.6657, 83.8546,
46.7955

Harmonies

Analogous

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



15.4885, 17.3977, 37.7289



18.2249, 17.3977, 37.0479



20.7523, 17.3977, 30.7934

Triad

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



18.2249, 17.3977, 37.0479



20.2756, 17.3977, 9.8226



11.9238, 17.3977, 16.0399

Complementary

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



18.2249, 17.3977, 37.0479



29.1589, 31.8975, 17.7173

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.



12.9334, 17.3977, 10.6058



18.2249, 17.3977, 37.0479



17.6297, 17.3977, 7.7332

Square

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



18.2249, 17.3977, 37.0479



22.0228, 17.3977, 14.6371



14.9548, 17.3977, 7.9738



12.0458, 17.3977, 24.0203

Rectangle

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



18.2249, 17.3977, 37.0479



21.8868, 17.3977, 25.0731



14.9548, 17.3977, 7.9738



12.1371, 17.3977, 13.9038

Sweetspot

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



18.2255, 17.3984, 37.0483



51.5016, 53.1382, 69.5984



24.5701, 31.4433, 34.9838



11.3106, 11.6388, 15.5879



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.



18.2255, 17.3984, 37.0483



28.2721, 25.9703, 65.5788



19.8258, 16.8059, 36.8496



6.7837, 7.0263, 8.9018



5.4281, 2.6356, 27.1524



0.1375, 0.1023, 0.5784

Inverse Universe

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



23.0357, 18.8800, 18.0536



38.1841, 29.2685, 26.3832



26.9818, 33.0637, 18.0571



7.1158, 7.1028, 7.5961



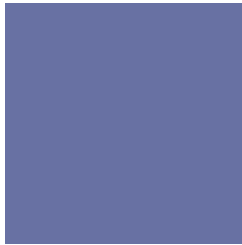
11.8853, 6.1102, 1.3208



0.2616, 0.1331, 0.0901

Previews

White Background



This preview shows how the XYZ color 18.2249, 17.3977, 37.0479 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 18.2249, 17.3977, 37.0479 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

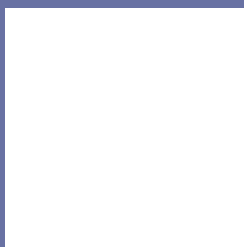
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2249, 17.3977, 37.0479

Background



This preview shows how black text looks on a background with the XYZ color 18.2249, 17.3977, 37.0479.



This preview shows how white text looks on a background with the XYZ color 18.2249, 17.3977,

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

18.2249, 17.3977, 37.0479

Protanopia

17.9737, 17.4243, 37.5379

Deuteranopia

17.7738, 17.3316, 37.0589



Tritanopia

15.5028, 17.5047, 23.3305

Trichromacy



Original Color

18.2249, 17.3977, 37.0479

Protanomaly

18.0850, 17.4817, 37.5431

Deuteranomaly

17.9950, 17.4457, 37.0692

Tritanomaly

16.3146, 17.2983, 27.6783

Monochromacy



Original Color

18.2249, 17.3977, 37.0479

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0465, 17.3997, 24.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2249, 17.3977, 37.0479 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(104, 113, 163)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 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(104, 113, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.2249, 17.3977, 37.0479 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(104, 113, 163) }
```


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

```
.border{ border-color:rgb(104, 113, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 113, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2249, 17.3977, 37.0479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 163) }
```

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

```
.background{ background-color: rgb(104,  
113, 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](#).

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