

Converting Colors

XYZ(17.3904, 17.9604, 38.4533)

Have a look what the booklet for
XYZ(17.3904, 17.9604, 38.4533)
contains.

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Color

**XYZ(17.4102, 17.9731,
38.6279)**

Conversions

Conversions Part 1

Format	Color
Hex	5777A6
RGB	87, 119, 166
RGB Percent	34%, 47%, 65%
CMY	0.6588, 0.5333, 0.3490
CMYK	0.48, 0.28, 0.00, 0.35
HSL	216°, 31%, 50%
HSV	216°, 48%, 65%
XYZ	17.4102, 17.9731, 38.6279
YIQ	114.7900, -34.1590, 7.8330

Conversions

Conversions Part 2

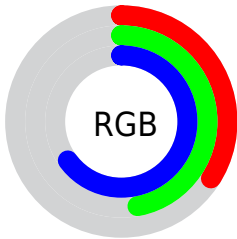
Format	Color
R _Y B	87, 110, 166
Decimal	5732262
CIE Lab	49.46, 1.79, -28.71
CIE LCh	49, 28.770, 273.569
Yxy	17.9731, 0.2352, 0.2428
Android (android.graphics.Color)	4283922342 (0xFF5777A6)
YUV	114.7900, 25.2465, -24.3718
Hunter-Lab	42.3947, -0.8862, -24.3458

Details

The XYZ color **17.4102, 17.9731, 38.6279** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.9717, 25.8457, 12.6373**, and the grayscale version is **16.1661, 17.0080, 18.5217**.

A 20% lighter version of the original color is **38.5986, 40.0090, 74.0948**, and **5.8862, 6.0285, 16.7730** is the 20% darker color. If you saturate the color by 10%, you get **14.9201, 15.0346, 38.1923**, and if you desaturate by 10%, it is **20.3801, 21.3410, 39.1218**.

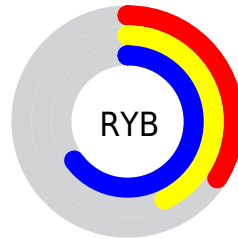
Distribution



Red (34%)

Green (47%)

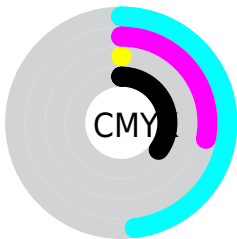
Blue (65%)



Red (34%)

Yellow (43%)

Blue (65%)

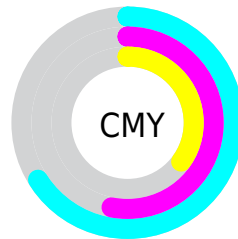


Cyan (48%)

Magenta (28%)

Yellow (0%)

Black (35%)



Cyan (66%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4102, 17.9731, 38.6279 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 17.4102, 17.9731, 38.6279 by changing the saturation by 10% instead.

■ 17.4102, 17.9731,
38.6279

■ 17.4102, 17.9731,
38.6279

230.6357,
240.7194, 355.6845

■ 10.6245, 10.9307,
26.1648

■ 38.5677, 39.9915,
74.2836

■ 5.8804, 6.0202,
16.7201

■ 53.6703, 55.7362,
98.3133

■ 2.8124, 2.8574,
9.8753

■ 72.2758, 75.1505,
127.0355

■ 1.0554, 1.0577,
5.2118

■ 94.7497, 98.6188,
160.8689

■ 0.0000, 0.0000,
2.3112

121.4572,
126.5254, 200.2319

■ 0.0000, 0.0000,
0.7375

152.7639,

■ 0.0000, 0.0000,

159.2548, 245.5432

0.0000

189.0349,
197.1913, 297.2212

■ 17.4102, 17.9731,
38.6279

■ 17.4102, 17.9731,
38.6279

■ 14.9201, 15.0346,
38.1923

■ 20.3801, 21.3410,
39.1218

■ 12.8793, 12.5032,
37.8113

■ 23.8539, 25.1549,
39.6748

■ 11.2569, 10.3575,
37.4826

■ 27.8562, 29.4329,
40.2896

■ 10.0160, 8.5725,
37.2035

■ 32.4094, 34.1915,
40.9682

■ 9.0997, 7.1123,
36.9699

■ 37.5345, 39.4460,
41.7123

■ 8.9045, 6.7963,
36.9192

■ 43.2513, 45.2115,
42.5238

■ 49.5788, 51.5018,
43.4045

■ 56.5350, 58.3307,
44.3559

■ 64.1371, 65.7111,
45.3798

Harmonies

Analogous

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



14.8609, 17.9731, 36.2620



17.4102, 17.9731, 38.6279



20.1381, 17.9731, 34.8749

Triad

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



17.4102, 17.9731, 38.6279



21.8172, 17.9731, 12.4064



12.8179, 17.9731, 13.6355

Complementary

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



17.4102, 17.9731, 38.6279



25.9717, 25.8457, 12.6373

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.



14.3534, 17.9731, 9.5612



17.4102, 17.9731, 38.6279



19.5160, 17.9731, 8.9950

Square

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



17.4102, 17.9731, 38.6279



22.8469, 17.9731, 18.6529



16.7597, 17.9731, 8.1112



12.3804, 17.9731, 20.5160

Rectangle

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



17.4102, 17.9731, 38.6279



21.6414, 17.9731, 29.8701



16.7597, 17.9731, 8.1112



13.2142, 17.9731, 11.9599

Sweetspot

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



17.4108, 17.9738, 38.6283



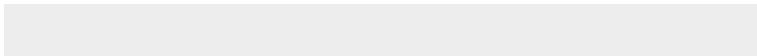
53.1938, 56.1941, 73.5182



21.8066, 30.9948, 27.0543



11.5311, 12.1834, 16.3960



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.4108, 17.9738, 38.6283



26.8863, 27.0538, 69.2801



14.8652, 11.9279, 37.5955



7.3720, 7.7808, 9.5316



6.9485, 5.3572, 28.6433



0.2196, 0.2313, 0.7137

Inverse Universe

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



22.4643, 16.2559, 19.4072



37.4499, 24.5684, 28.8534



29.7378, 35.3745, 14.2780



7.6523, 7.5908, 8.4864



13.0079, 6.6119, 4.8531



0.3420, 0.1711, 0.2523

Previews

White Background



This preview shows how the XYZ color 17.4102, 17.9731, 38.6279 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 17.4102, 17.9731, 38.6279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

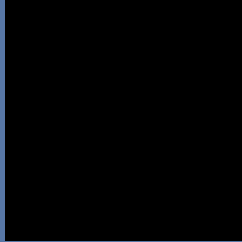
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4102, 17.9731, 38.6279

Background



This preview shows how black text looks on a background with the XYZ color 17.4102, 17.9731, 38.6279.

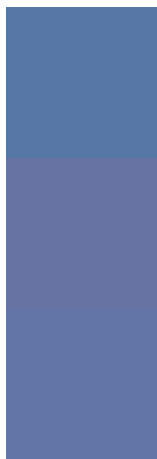


This preview shows how white text looks on a background with the XYZ color 17.4102, 17.9731,

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

17.4102, 17.9731, 38.6279

Protanopia

18.4498, 18.0187, 37.1559

Deuteranopia

18.3660, 17.9335, 39.0527



Tritanopia

14.8487, 18.0362, 25.6204

Trichromacy



Original Color

17.4102, 17.9731, 38.6279

Protanomaly

17.9919, 17.9443, 37.6373

Deuteranomaly

18.0557, 17.9455, 39.0714

Tritanomaly

15.6646, 17.9906, 29.8410

Monochromacy



Original Color

17.4102, 17.9731, 38.6279

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3742, 17.2153, 25.0141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4102, 17.9731, 38.6279 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(87, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 166)  
}
```

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(87, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.4102, 17.9731, 38.6279 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(87, 119, 166) }
```


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

```
.border{ border-color:rgb(87, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4102, 17.9731, 38.6279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 166) }
```

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

```
.background{ background-color: rgb(87, 119,  
166) }
```

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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