

Converting Colors

XYZ(32.3322, 31.6637, 54.9051)

Have a look what the booklet for
XYZ(32.3322, 31.6637, 54.9051)
contains.

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Color

**XYZ(32.3860, 31.7739,
54.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	9296C1
RGB	146, 150, 193
RGB Percent	57%, 59%, 76%
CMY	0.4274, 0.4118, 0.2431
CMYK	0.24, 0.22, 0.00, 0.24
HSL	235°, 27%, 66%
HSV	235°, 24%, 76%
XYZ	32.3860, 31.7739, 54.8781
YIQ	153.7060, -16.1870, 12.5250

Conversions

Conversions Part 2

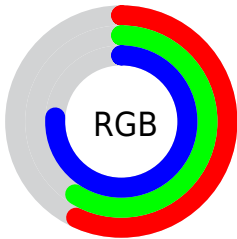
Format	Color
R_YB	146, 150, 193
Decimal	9606849
CIE Lab	63.16, 8.04, -22.69
CIE LCh	63, 24.071, 289.514
Yxy	31.7739, 0.2721, 0.2669
Android (android.graphics.Color)	4287796929 (0xFF9296C1)
YUV	153.7060, 19.3719, -6.7582
Hunter-Lab	56.3683, 3.9112, -18.2647

Details

The XYZ color **32.3860, 31.7739, 54.8781** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.3786, 49.8081, 34.4172**, and the grayscale version is **30.5101, 32.0990, 34.9558**.

A 20% lighter version of the original color is **62.9356, 62.5054, 99.1902**, and **13.7381, 13.1674, 26.2436** is the 20% darker color. If you saturate the color by 10%, you get **26.6321, 24.9360, 53.8621**, and if you desaturate by 10%, it is **39.1457, 39.7620, 56.0642**.

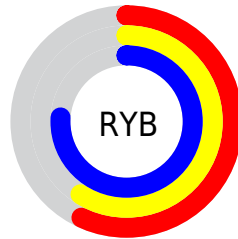
Distribution



Red (57%)

Green (59%)

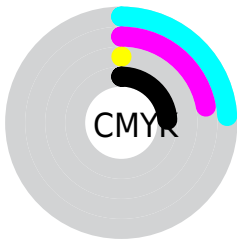
Blue (76%)



Red (57%)

Yellow (59%)

Blue (76%)

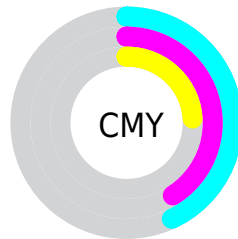


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (24%)



Cyan (43%)

Magenta (41%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3860, 31.7739, 54.8781 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 32.3860, 31.7739, 54.8781 by changing the saturation by 10% instead.

■ 32.3860, 31.7739,
54.8781

■ 32.3860, 31.7739,
54.8781

304.5880,
310.0880, 422.7186

■ 21.8135, 21.1889,
38.9062

■ 62.7768, 62.4565,
98.8317

■ 13.8357, 13.2621,
26.3795

■ 83.3259, 83.3228,
127.6505

■ 8.0874, 7.6093,
16.8794

107.9311,
108.3850, 161.5886

■ 4.2032, 3.8460,
9.9875

136.9579,
138.0275, 201.0646

■ 1.8177, 1.5878,
5.2852

170.7717,
172.6346, 246.4971

■ 0.5283, 0.3493,
2.3539

209.7377,

■ 0.0000, 0.0000,

212.5908, 298.3046

0.7612

254.2214,
258.2805, 356.9055

■ 0.0000, 0.0000,
0.0000

■ 32.3860, 31.7739,
54.8781

■ 32.3860, 31.7739,
54.8781

■ 26.6321, 24.9360,
53.8621

■ 39.1457, 39.7620,
56.0642

■ 21.8329, 19.1917,
53.0062

■ 46.9529, 48.9460,
57.4254

■ 17.9375, 14.4853,
52.3031

■ 55.8507, 59.3736,
58.9692

■ 14.8890, 10.7545,
51.7437

■ 65.8788, 71.0890,
60.7019

■ 12.6240, 7.9304,
51.3180

■ 77.0751, 84.1338,
62.6297

■ 11.0700, 5.9352,
51.0147

■ 86.6257, 96.6303,
64.5384

■ 10.1408, 4.6776,
50.8210

■ 9.8175, 4.2337,
50.7523

Harmonies

Analogous

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



29.0517, 31.7739, 55.8988



32.3860, 31.7739, 54.8781



35.3271, 31.7739, 47.8946

Triad

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



32.3860, 31.7739, 54.8781



34.5431, 31.7739, 22.4577



24.3409, 31.7739, 31.3707

Complementary

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



32.3860, 31.7739, 54.8781



45.3786, 49.8081, 34.4172

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.



25.5949, 31.7739, 24.0202



32.3860, 31.7739, 54.8781



31.3784, 31.7739, 19.5375

Square

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



32.3860, 31.7739, 54.8781



36.6344, 31.7739, 28.8347



28.1149, 31.7739, 20.0515



24.5672, 31.7739, 41.0786

Rectangle

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



32.3860, 31.7739, 54.8781



36.5922, 31.7739, 41.4066



28.1149, 31.7739, 20.0515



24.5995, 31.7739, 28.5771

Sweetspot

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



32.3870, 31.7752, 54.8788



80.0439, 82.9064, 102.1441



40.0342, 47.8953, 54.8820



16.9856, 17.5670, 21.8808



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.3870, 31.7752, 54.8788



52.5262, 50.4078, 97.3215



35.3808, 32.3868, 54.8391



9.5957, 9.8827, 12.6866



6.5549, 2.8663, 33.7644



0.3073, 0.1719, 1.4669

Inverse Universe

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



37.7770, 34.0981, 33.4460



63.8052, 55.3634, 52.4503



41.7591, 49.2375, 34.4979



10.1072, 10.0915, 10.6552



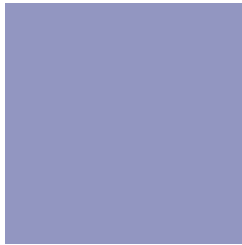
14.7046, 7.5716, 1.0905



0.6475, 0.3320, 0.1110

Previews

White Background



This preview shows how the XYZ color 32.3860, 31.7739, 54.8781 looks on a white background.

Color Contrast Check

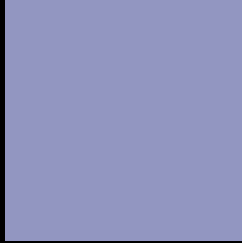
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.3860, 31.7739, 54.8781 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 ✓ Pass

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

XYZ 32.3860, 31.7739, 54.8781

Background



This preview shows how black text looks on a background with the XYZ color 32.3860, 31.7739, 54.8781.



This preview shows how white text looks on a background with the XYZ color 32.3860, 31.7739,

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

32.3860, 31.7739, 54.8781

Protanopia

31.9595, 31.7790, 55.4885

Deuteranopia

32.5646, 31.8660, 54.8865



Tritanopia

29.6809, 31.8954, 41.1513

Trichromacy



Original Color

32.3860, 31.7739, 54.8781

Protanomaly

32.1319, 31.8679, 55.4965

Deuteranomaly

32.5646, 31.8660, 54.8865

Tritanomaly

30.5554, 31.7567, 45.5935

Monochromacy



Original Color

32.3860, 31.7739, 54.8781

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2216, 32.1889, 41.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3860, 31.7739, 54.8781 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(146, 150, 193)` looks like.

```
.text, #text, p{  
    color:rgb(146, 150, 193)  
}
```

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(146, 150, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 150, 193) }
```

Border

The CSS property to change the border of an element to XYZ 32.3860, 31.7739, 54.8781 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(146, 150, 193) }
```


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

```
.border{ border-color:rgb(146, 150, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 150, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 150, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 150, 193); box-shadow:4px 4px 4px 4px rgb(146, 150, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3860, 31.7739, 54.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 150, 193) }
```

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

```
.background{ background-color: rgb(146,  
150, 193) }
```

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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