

Converting Colors

XYZ(30.8659, 32.6051, 43.7258)

Have a look what the booklet for
XYZ(30.8659, 32.6051, 43.7258)
contains.

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Color

**XYZ(31.0119, 32.7752,
43.7215)**

Conversions

Conversions Part 1

Format	Color
Hex	919CAC
RGB	145, 156, 172
RGB Percent	57%, 61%, 67%
CMY	0.4314, 0.3882, 0.3255
CMYK	0.16, 0.09, 0.00, 0.33
HSL	216°, 14%, 62%
HSV	216°, 16%, 67%
XYZ	31.0119, 32.7752, 43.7215
YIQ	154.5350, -11.6920, 2.6440

Conversions

Conversions Part 2

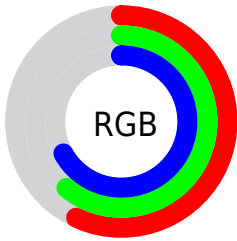
Format	Color
R_{YB}	145, 153, 172
Decimal	9542828
CIE Lab	63.98, -0.52, -9.66
CIE LCh	64, 9.671, 266.936
Yxy	32.7752, 0.2885, 0.3049
Android (android.graphics.Color)	4287732908 (0xFF919CAC)
YUV	154.5350, 8.6102, -8.3622
Hunter-Lab	57.2496, -3.4941, -5.2050

Details

The XYZ color **31.0119, 32.7752, 43.7215** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8692, 36.3047, 31.9584**, and the grayscale version is **30.9181, 32.5283, 35.4233**.

A 20% lighter version of the original color is **60.4649, 63.7814, 81.7972**, and **13.0578, 13.8389, 19.7523** is the 20% darker color. If you saturate the color by 10%, you get **26.5687, 28.0523, 43.0446**, and if you desaturate by 10%, it is **36.0595, 38.0244, 44.4692**.

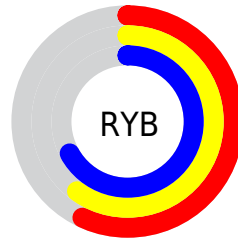
Distribution



Red (57%)

Green (61%)

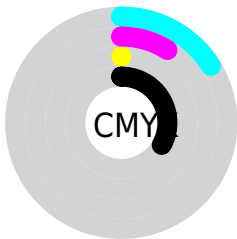
Blue (67%)



Red (57%)

Yellow (60%)

Blue (67%)

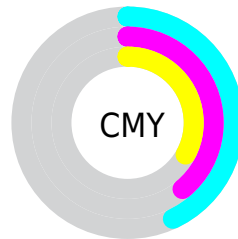


Cyan (16%)

Magenta (9%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0119, 32.7752, 43.7215 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 31.0119, 32.7752, 43.7215 by changing the saturation by 10% instead.

■ 31.0119, 32.7752,
43.7215

■ 31.0119, 32.7752,
43.7215

298.4190,
314.6356, 377.5786

■ 20.7598, 21.9543,
30.1160

■ 60.6345, 64.0244,
82.0965

■ 13.0600, 13.8233,
19.6739

■ 80.7357, 85.2215,
107.7031

■ 7.5471, 7.9979,
11.9765

104.8507,
110.6461, 138.1472

■ 3.8559, 4.0936,
6.6053

133.3447,
140.6826, 173.8473

■ 1.6210, 1.7261,
3.1418

166.5832,
175.7154, 215.2220

■ 0.4060, 0.4404,
1.1675

204.9316,

■ 0.0000, 0.0000,

216.1289, 262.6897

0.0000

248.7550,
262.3075, 316.6691

■ 31.0119, 32.7752,
43.7215

■ 31.0119, 32.7752,
43.7215

■ 26.5687, 28.0523,
43.0446

■ 36.0595, 38.0244,
44.4692

■ 22.7028, 23.8339,
42.4341

■ 41.7311, 43.8126,
45.2875

■ 19.3895, 20.1029,
41.8886

■ 48.0492, 50.1570,
46.1791

■ 16.6009, 16.8391,
41.4056

■ 55.0342, 57.0727,
47.1458

■ 14.3065, 14.0210,
40.9826

■ 62.7055, 64.5744,
48.1895

■ 12.4724, 11.6249,
40.6168

■ 71.0817, 72.6761,
49.3118

■ 11.0597, 9.6244,
40.3051

■ 76.2496, 79.3648,
50.3304

■ 10.0195, 7.9872,
40.0439

■ 79.1258, 85.1171,
51.2892

■ 9.6421, 7.3698,
39.9446

■ 82.1698, 91.2052,
52.3038

Harmonies

Analogous

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



29.7433, 32.7752, 42.3561



31.0119, 32.7752, 43.7215



32.3546, 32.7752, 42.8076

Triad

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



31.0119, 32.7752, 43.7215



33.5481, 32.7752, 32.3924



29.0060, 32.7752, 31.7450

Complementary

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



31.0119, 32.7752, 43.7215



34.8692, 36.3047, 31.9584

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.



29.9793, 32.7752, 29.4026



31.0119, 32.7752, 43.7215



32.6042, 32.7752, 29.7568

Square

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



31.0119, 32.7752, 43.7215



33.8438, 32.7752, 36.0895



31.2922, 32.7752, 28.7019



28.6066, 32.7752, 35.2867

Rectangle

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



31.0119, 32.7752, 43.7215



33.1067, 32.7752, 41.0629



31.2922, 32.7752, 28.7019



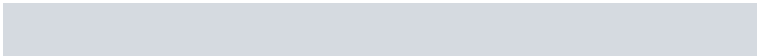
29.2755, 32.7752, 30.8014

Sweetspot

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



31.0129, 32.7766, 43.7222



66.0088, 69.5908, 80.7591



32.8412, 38.0898, 39.2245



14.2015, 14.9757, 17.5298



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.0129, 32.7766, 43.7222



53.1996, 56.2300, 78.8553



29.6499, 29.4562, 43.1532



7.8368, 8.2731, 10.1365



7.2264, 5.5867, 29.7420



0.2557, 0.2647, 0.8456

Inverse Universe

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



33.1402, 31.4225, 35.7725



57.8690, 53.4005, 61.3737



36.3875, 40.0682, 32.6048



8.1355, 8.0674, 9.0241



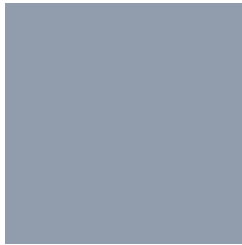
13.5112, 6.8670, 5.0715



0.4034, 0.2021, 0.2863

Previews

White Background



This preview shows how the XYZ color 31.0119, 32.7752, 43.7215 looks on a white background.

Color Contrast Check

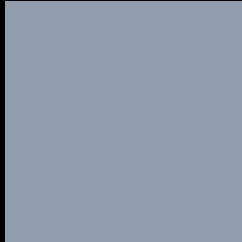
Large Text (above 18pt) WCAG AA × Fail

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 31.0119, 32.7752, 43.7215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

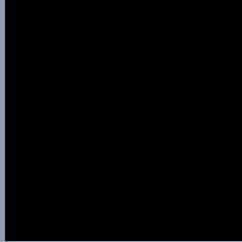
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0119, 32.7752, 43.7215

Background



This preview shows how black text looks on a background with the XYZ color 31.0119, 32.7752, 43.7215.



This preview shows how white text looks on a background with the XYZ color 31.0119, 32.7752,

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

31.0119, 32.7752, 43.7215

Protanopia

32.0432, 32.8238, 43.1748

Deuteranopia

33.3074, 32.7274, 44.0967



Tritanopia

30.7200, 32.9078, 42.2688

Trichromacy



Original Color

31.0119, 32.7752, 43.7215

Protanomaly

31.6497, 32.8670, 43.2039

Deuteranomaly

32.4516, 32.7682, 44.1497

Tritanomaly

30.8143, 32.9455, 42.7652

Monochromacy



Original Color

31.0119, 32.7752, 43.7215

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9169, 32.5952, 38.3802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0119, 32.7752, 43.7215 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(145, 156, 172) looks like.

```
.text, #text, p{  
    color:rgb(145, 156, 172)  
}
```

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(145, 156, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 156, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.0119, 32.7752, 43.7215 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(145, 156, 172) }
```


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

```
.border{ border-color:rgb(145, 156, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 156, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 156, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 156, 172);  
box-shadow:4px 4px 4px 4px rgb(145, 156,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0119, 32.7752, 43.7215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 156, 172) }
```

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

```
.background{ background-color: rgb(145,  
156, 172) }
```

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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