

Converting Colors

XYZ(31.4382, 33.7093, 46.0435)

Have a look what the booklet for
XYZ(31.4382, 33.7093, 46.0435)
contains.

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Color

**XYZ(31.3899, 33.6816,
45.9211)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9FB0
RGB	142, 159, 176
RGB Percent	56%, 62%, 69%
CMY	0.4431, 0.3765, 0.3098
CMYK	0.19, 0.10, 0.00, 0.31
HSL	210°, 18%, 62%
HSV	210°, 19%, 69%
XYZ	31.3899, 33.6816, 45.9211
YIQ	155.8550, -15.5890, 1.6830

Conversions

Conversions Part 2

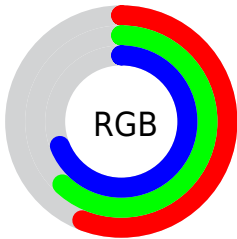
Format	Color
RYB	142, 153, 176
Decimal	9346992
CIELab	64.71, -2.27, -10.83
CIELCh	65, 11.067, 258.148
Yxy	33.6816, 0.2828, 0.3035
Android (android.graphics.Color)	4287537072 (0xFF8E9FB0)
YUV	155.8550, 9.9315, -12.1508
Hunter-Lab	58.0359, -5.0173, -6.2884

Details

The XYZ color **31.3899, 33.6816, 45.9211** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1854, 35.9794, 30.6821**, and the grayscale version is **31.4982, 33.1385, 36.0879**.

A 20% lighter version of the original color is **61.3770, 65.6551, 85.7817**, and **13.3150, 14.4045, 21.1474** is the 20% darker color. If you saturate the color by 10%, you get **27.1459, 29.3276, 45.3049**, and if you desaturate by 10%, it is **36.2205, 38.4996, 46.5970**.

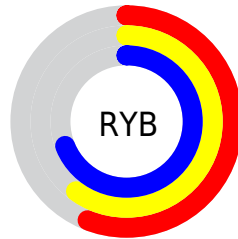
Distribution



Red (56%)

Green (62%)

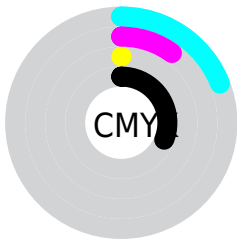
Blue (69%)



Red (56%)

Yellow (60%)

Blue (69%)

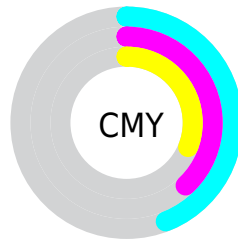


Cyan (19%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (44%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3899, 33.6816, 45.9211 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 31.3899, 33.6816, 45.9211 by changing the saturation by 10% instead.

■ 31.3899, 33.6816,
45.9211

■ 31.3899, 33.6816,
45.9211

300.1255,
318.7100, 386.7597

■ 21.0492, 22.6491,
31.8353

■ 61.2251, 65.4382,
85.4339

■ 13.2726, 14.3346,
20.9720

■ 81.4503, 86.9311,
111.6981

■ 7.6948, 8.3538,
12.9125

105.7010,
112.6797, 142.8588

■ 3.9505, 4.3221,
7.2383

134.3427,
143.0682, 179.3347

■ 1.6742, 1.8553,
3.5309

167.7406,
178.4810, 221.5441

■ 0.4400, 0.5213,
1.3717

206.2602,

■ 0.0000, 0.0000,

219.3027, 269.9058

0.1195

250.2667,
265.9176, 324.8381

■ 0.0000, 0.0000,
0.0000

■ 31.3899, 33.6816,
45.9211

■ 31.3899, 33.6816,
45.9211

■ 27.1459, 29.3276,
45.3049

■ 36.2205, 38.4996,
46.5970

■ 23.4609, 25.4176,
44.7444

■ 41.6576, 43.7925,
47.3321

■ 20.3095, 21.9359,
44.2385

■ 47.7240, 49.5761,
48.1287

■ 17.6629, 18.8641,
43.7851

■ 54.4403, 55.8640,
48.9884

■ 15.4896, 16.1822,
43.3820

■ 61.8261, 62.6693,
49.9127

■ 13.7538, 13.8681,
43.0268

■ 69.9001, 70.0044,
50.9029

■ 12.4139, 11.8964,
42.7168

■ 74.8267, 75.8949,
51.7803

■ 11.3917, 10.2225,
42.4476

■ 77.2056, 80.6526,
52.5732

■ 11.3272, 10.1158,
42.4304

■ 79.7079, 85.6573,
53.4073

Harmonies

Analogous

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



30.0178, 33.6816, 43.5850



31.3899, 33.6816, 45.9211



32.9744, 33.6816, 45.6328

Triad

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



31.3899, 33.6816, 45.9211



35.0054, 33.6816, 34.0151



29.7910, 33.6816, 31.1396

Complementary

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



31.3899, 33.6816, 45.9211



35.1854, 35.9794, 30.6821

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.



31.0711, 33.6816, 28.9711



31.3899, 33.6816, 45.9211



34.0955, 33.6816, 30.5343

Square

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



31.3899, 33.6816, 45.9211



35.0976, 33.6816, 38.5003



32.6450, 33.6816, 28.7591



29.1153, 33.6816, 34.9055

Rectangle

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



31.3899, 33.6816, 45.9211



33.9379, 33.6816, 43.9943



32.6450, 33.6816, 28.7591



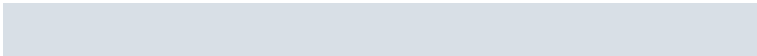
30.1629, 33.6816, 30.2136

Sweetspot

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



31.3909, 33.6830, 45.9219



68.7371, 72.8132, 84.9268



32.8902, 39.2857, 38.3937



14.7651, 15.6513, 18.3871



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3909, 33.6830, 45.9219



53.6614, 57.7628, 82.8164



28.7500, 28.4011, 45.0416



8.3813, 8.9088, 10.7842



8.3694, 7.5391, 31.1511



0.3217, 0.3539, 0.9996

Inverse Universe

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



33.8363, 31.0801, 37.0181



58.9314, 52.3893, 63.5751



38.2020, 42.0126, 31.6876



8.6677, 8.5738, 9.7483



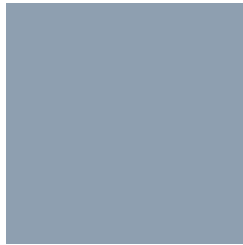
14.4591, 7.3012, 7.5777



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 31.3899, 33.6816, 45.9211 looks on a white background.

Color Contrast Check

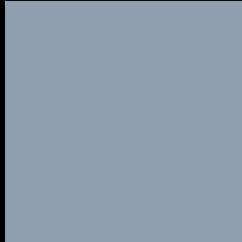
Large Text (above 18pt) WCAG AA × Fail

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 31.3899, 33.6816, 45.9211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

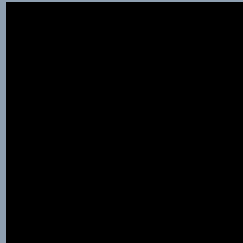
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

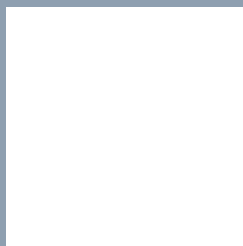
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3899, 33.6816, 45.9211

Background



This preview shows how black text looks on a background with the XYZ color 31.3899, 33.6816, 45.9211.



This preview shows how white text looks on a background with the XYZ color 31.3899, 33.6816,

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

31.3899, 33.6816, 45.9211

Protanopia

32.8549, 33.7030, 44.8181

Deuteranopia

34.2273, 33.6382, 46.2838



Tritanopia

31.0017, 33.7829, 43.9165

Trichromacy



Original Color

31.3899, 33.6816, 45.9211

Protanomaly

32.3725, 33.6931, 45.3546

Deuteranomaly

33.1747, 33.5856, 46.3291

Tritanomaly

31.0981, 33.8215, 44.4243

Monochromacy



Original Color

31.3899, 33.6816, 45.9211

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4303, 33.3376, 39.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3899, 33.6816, 45.9211 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(142, 159, 176) looks like.

```
.text, #text, p{  
    color:rgb(142, 159, 176)  
}
```

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(142, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 159, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.3899, 33.6816, 45.9211 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(142, 159, 176) }
```


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

```
.border{ border-color:rgb(142, 159, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 159, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(142, 159,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3899, 33.6816, 45.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 159, 176) }
```

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

```
.background{ background-color: rgb(142,  
159, 176) }
```

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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