

Converting Colors

XYZ(31.6238, 33.4413, 43.7342)

Have a look what the booklet for
XYZ(31.6238, 33.4413, 43.7342)
contains.

XYZ(31.5360, 33.2955, 43.7943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5360, 33.2955,
43.7943)**

Conversions

Conversions Part 1

Format	Color
Hex	939DAC
RGB	147, 157, 172
RGB Percent	58%, 62%, 67%
CMY	0.4235, 0.3843, 0.3255
CMYK	0.15, 0.09, 0.00, 0.33
HSL	216°, 13%, 63%
HSV	216°, 15%, 67%
XYZ	31.5360, 33.2955, 43.7943
YIQ	155.7200, -10.7750, 2.5450

Conversions

Conversions Part 2

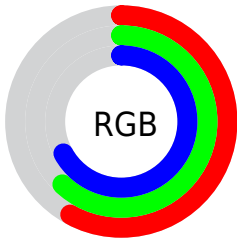
Format	Color
RYB	147, 154, 172
Decimal	9674156
CIELab	64.40, -0.40, -9.01
CIELCh	64, 9.022, 267.438
Yxy	33.2955, 0.2903, 0.3065
Android (android.graphics.Color)	4287864236 (0xFF939DAC)
YUV	155.7200, 8.0260, -7.6474
Hunter-Lab	57.7023, -3.4234, -4.6078

Details

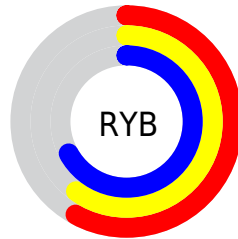
The XYZ color **31.5360, 33.2955, 43.7943** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2004, 36.7180, 32.8366**, and the grayscale version is **31.4448, 33.0824, 36.0267**.

A 20% lighter version of the original color is **61.4960, 65.0505, 81.9879**, and **13.3681, 14.1509, 19.7961** is the 20% darker color. If you saturate the color by 10%, you get **27.0068, 28.4782, 43.1037**, and if you desaturate by 10%, it is **36.6759, 38.6483, 44.5571**.

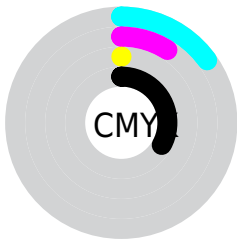
Distribution



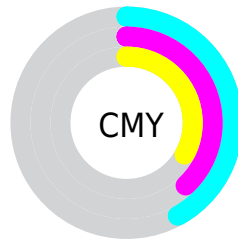
- Red (58%)
- Green (62%)
- Blue (67%)



- Red (58%)
- Yellow (60%)
- Blue (67%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (42%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5360, 33.2955, 43.7943 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 31.5360, 33.2955, 43.7943 by changing the saturation by 10% instead.

■ 31.5360, 33.2955,
43.7943

■ 31.5360, 33.2955,
43.7943

300.7831,
316.9792, 377.8850

■ 21.1612, 22.3529,
30.1728

■ 61.4531, 64.8366,
82.2073

■ 13.3550, 14.1164,
19.7166

■ 81.7261, 86.2039,
107.8359

■ 7.7521, 8.2017,
12.0072

106.0291,
111.8149, 138.3040

■ 3.9872, 4.2243,
6.6260

134.7276,
142.0540, 174.0300

■ 1.6949, 1.7998,
3.1544

168.1869,
177.3056, 215.4326

■ 0.4531, 0.4870,
1.1740

206.7723,

■ 0.0000, 0.0000,

217.9540, 262.9303

0.0000

250.8493,
264.3838, 316.9415

■ 31.5360, 33.2955,
43.7943

■ 31.5360, 33.2955,
43.7943

■ 27.0068, 28.4782,
43.1037

■ 36.6759, 38.6483,
44.5571

■ 23.0611, 24.1744,
42.4810

■ 42.4460, 44.5492,
45.3920

■ 19.6745, 20.3667,
41.9245

■ 48.8689, 51.0157,
46.3016

■ 16.8190, 17.0350,
41.4319

■ 55.9649, 58.0632,
47.2879

■ 14.4644, 14.1574,
41.0006

■ 63.7534, 65.7064,
48.3527

■ 12.5770, 11.7104,
40.6277

■ 72.2532, 73.9595,
49.4977

■ 11.1185, 9.6673,
40.3102

■ 76.7710, 80.4076,
50.5042

■ 10.0433, 7.9975,
40.0446

■ 79.7155, 86.2966,
51.4857

■ 9.5631, 7.2118,
39.9183

■ 82.8327, 92.5310,
52.5248

Harmonies

Analogous

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



30.3347, 33.2955, 42.5522



31.5360, 33.2955, 43.7943



32.7990, 33.2955, 42.9053

Triad

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



31.5360, 33.2955, 43.7943



33.8910, 33.2955, 33.0883



29.6087, 33.2955, 32.5753

Complementary

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



31.5360, 33.2955, 43.7943



35.2004, 36.7180, 32.8366

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.



30.5211, 33.2955, 30.3268



31.5360, 33.2955, 43.7943



32.9954, 33.2955, 30.6086

Square

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



31.5360, 33.2955, 43.7943



34.1803, 33.2955, 36.5705



31.7570, 33.2955, 29.6315



29.2409, 33.2955, 35.9376

Rectangle

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



31.5360, 33.2955, 43.7943



33.5019, 33.2955, 41.2549



31.7570, 33.2955, 29.6315



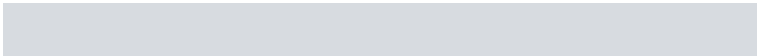
29.8606, 33.2955, 31.6730

Sweetspot

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



31.5370, 33.2969, 43.7950



66.9933, 70.5858, 80.8993



33.2704, 38.3026, 39.6288



14.4010, 15.1767, 17.5581



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.



31.5370, 33.2969, 43.7950



54.8265, 57.8875, 79.0895



30.2905, 30.2442, 43.2715



7.8320, 8.2634, 10.1349



7.1672, 5.4683, 29.7222



0.2538, 0.2610, 0.8450

Inverse Universe

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



33.5336, 32.0732, 36.3231



59.0798, 55.3766, 63.1507



36.5791, 40.1490, 33.4261



8.1330, 8.0665, 9.0113



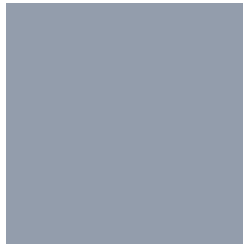
13.4813, 6.8551, 4.9140



0.4025, 0.2017, 0.2814

Previews

White Background



This preview shows how the XYZ color 31.5360, 33.2955, 43.7943 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 31.5360, 33.2955, 43.7943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

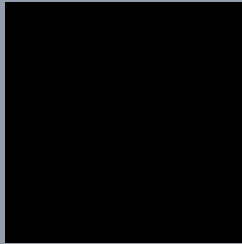
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5360, 33.2955, 43.7943

Background



This preview shows how black text looks on a background with the XYZ color 31.5360, 33.2955, 43.7943.



This preview shows how white text looks on a background with the XYZ color 31.5360, 33.2955,

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

31.5360, 33.2955, 43.7943

Protanopia

32.3985, 33.2530, 43.2390

Deuteranopia

33.8753, 33.2601, 44.1696



Tritanopia

31.3453, 33.2193, 42.7901

Trichromacy



Original Color

31.5360, 33.2955, 43.7943

Protanomaly

32.0017, 33.2965, 43.2683

Deuteranomaly

33.0031, 33.2964, 44.2226

Tritanomaly

31.4403, 33.2573, 43.2903

Monochromacy



Original Color

31.5360, 33.2955, 43.7943

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5469, 33.1579, 38.9198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5360, 33.2955, 43.7943 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(147, 157, 172)` looks like.

```
.text, #text, p{  
    color:rgb(147, 157, 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(147, 157, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 157, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.5360, 33.2955, 43.7943 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(147, 157, 172) }
```


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

```
.border{ border-color:rgb(147, 157, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 157, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 157, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 157, 172);  
box-shadow:4px 4px 4px 4px rgb(147, 157,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5360, 33.2955, 43.7943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 157, 172) }
```

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

```
.background{ background-color: rgb(147,  
157, 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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