

Converting Colors

XYZ(31.6239, 30.9595, 42.4720)

Have a look what the booklet for
XYZ(31.6239, 30.9595, 42.4720)
contains.

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Color

**XYZ(31.5940, 30.9378,
42.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	9D93AA
RGB	157, 147, 170
RGB Percent	62%, 58%, 67%
CMY	0.3843, 0.4235, 0.3333
CMYK	0.08, 0.14, 0.00, 0.33
HSL	266°, 12%, 62%
HSV	266°, 14%, 67%
XYZ	31.5940, 30.9378, 42.3366
YIQ	152.6120, -1.4230, 9.2730

Conversions

Conversions Part 2

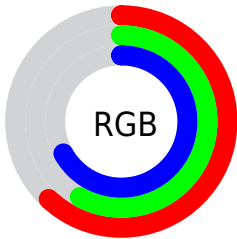
Format	Color
RYB	157, 147, 170
Decimal	10326954
CIELab	62.46, 8.19, -10.71
CIElCh	62, 13.481, 307.407
Yxy	30.9378, 0.3013, 0.2950
Android (android.graphics.Color)	4288517034 (0xFF9D93AA)
YUV	152.6120, 8.5723, 3.8483
Hunter-Lab	55.6218, 4.0526, -6.1935

Details

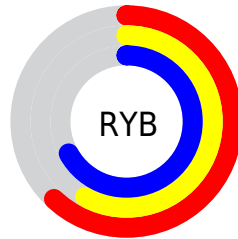
The XYZ color **31.5940, 30.9378, 42.3366** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1395, 38.3304, 33.2044**, and the grayscale version is **30.0749, 31.6412, 34.4572**.

A 20% lighter version of the original color is **61.6286, 61.2066, 79.8000**, and **13.3967, 12.7379, 18.8921** is the 20% darker color. If you saturate the color by 10%, you get **27.3418, 25.1078, 41.4359**, and if you desaturate by 10%, it is **36.3862, 37.6278, 43.3758**.

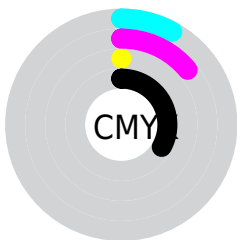
Distribution



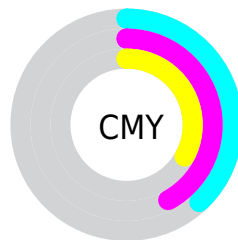
- Red (62%)
- Green (58%)
- Blue (67%)



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



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5940, 30.9378, 42.3366 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 31.5940, 30.9378, 42.3366 by changing the saturation by 10% instead.

■ 31.5940, 30.9378,
42.3366

■ 31.5940, 30.9378,
42.3366

301.0439,
306.2517, 371.7171

■ 21.2056, 20.5515,
29.0374

■ 61.5436, 61.1421,
79.9844

■ 13.3877, 12.7966,
18.8633

■ 81.8355, 81.7289,
105.1701

■ 7.7749, 7.2886,
11.3957

106.1592,
106.4847, 135.1550

■ 4.0018, 3.6432,
6.2162

134.8803,
135.7938, 170.3577

■ 1.7032, 1.4761,
2.9061

168.3639,
170.0407, 211.1967

■ 0.4583, 0.2718,
1.0469

206.9755,

■ 0.0000, 0.0000,

209.6097, 258.0906

0.0000

251.0803,
254.8852, 311.4579

■ 31.5940, 30.9378,
42.3366

■ 31.5940, 30.9378,
42.3366

■ 27.3418, 25.1078,
41.4359

■ 36.3862, 37.6278,
43.3758

■ 23.6064, 20.0980,
40.6658

■ 41.7349, 45.2075,
44.5569

■ 20.3669, 15.8712,
40.0207

■ 47.6593, 53.7102,
45.8859

■ 17.5998, 12.3858,
39.4938

■ 54.1768, 63.1661,
47.3675

■ 15.2794, 9.5961,
39.0776

■ 61.3042, 73.6041,
49.0066

13.3774, 7.4513,
38.7638

69.0572, 85.0519,
50.8076

11.8616, 5.8933,
38.5430

73.8398, 90.3127,
51.5710

10.6942, 4.8526,
38.4037

76.9078, 91.8943,
51.7146

10.0724, 4.3543,
38.3403

80.1469, 93.5641,
51.8662

Harmonies

Analogous

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



29.8612, 30.9378, 44.6935



31.5940, 30.9378, 42.3366



32.7734, 30.9378, 37.7055

Triad

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



31.5940, 30.9378, 42.3366



30.7773, 30.9378, 25.2164



26.0540, 30.9378, 35.0013

Complementary

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



31.5940, 30.9378, 42.3366



34.1395, 38.3304, 33.2044

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.



26.2766, 30.9378, 29.9629



31.5940, 30.9378, 42.3366



28.9544, 30.9378, 24.6527

Square

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



31.5940, 30.9378, 42.3366



32.2884, 30.9378, 27.9305



27.3204, 30.9378, 26.3022



26.6994, 30.9378, 40.1824

Rectangle

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



31.5940, 30.9378, 42.3366



33.0604, 30.9378, 34.1437



27.3204, 30.9378, 26.3022



26.0303, 30.9378, 33.2325

Sweetspot

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



31.5949, 30.9391, 42.3373



65.5188, 67.5686, 78.5907



31.8660, 34.2596, 42.9639



14.4610, 14.8574, 17.4933



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.



31.5949, 30.9391, 42.3373



55.0973, 53.0596, 76.3395



33.9383, 32.1472, 42.4469



7.4296, 7.4541, 9.4655



7.4710, 3.2349, 28.2061



0.2409, 0.1092, 0.6890

Inverse Universe

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



33.3575, 31.9529, 37.6687



58.9034, 55.2497, 66.2195



31.9517, 37.2026, 33.1021



7.7020, 7.6107, 8.7481



13.7794, 6.9205, 8.9160



0.3602, 0.1784, 0.3484

Previews

White Background



This preview shows how the XYZ color 31.5940, 30.9378, 42.3366 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 31.5940, 30.9378, 42.3366 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 31.5940, 30.9378, 42.3366

Background



This preview shows how black text looks on a background with the XYZ color 31.5940, 30.9378, 42.3366.



This preview shows how white text looks on a background with the XYZ color 31.5940, 30.9378,

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

31.5940, 30.9378, 42.3366

Protanopia

30.3854, 30.9943, 43.4107

Deuteranopia

31.5940, 30.9378, 42.3366



Tritanopia

30.6102, 31.0015, 37.6283

Trichromacy



Original Color

31.5940, 30.9378, 42.3366

Protanomaly

30.8606, 31.0145, 42.8879

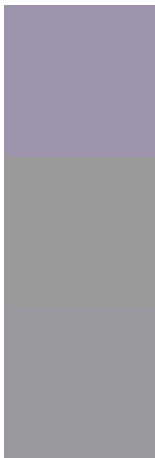
Deuteranomaly

31.5940, 30.9378, 42.3366

Tritanomaly

31.0010, 30.9281, 39.4577

Monochromacy



Original Color

31.5940, 30.9378, 42.3366

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6510, 31.5064, 37.2668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5940, 30.9378, 42.3366 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(157, 147, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 147, 170)  
}
```

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(157, 147, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 147, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.5940, 30.9378, 42.3366 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(157, 147, 170) }
```


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

```
.border{ border-color:rgb(157, 147, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 147, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 147, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 147, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 147,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5940, 30.9378, 42.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 147, 170) }
```

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

```
.background{ background-color: rgb(157,  
147, 170) }
```

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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