

Converting Colors

XYZ(29.9953, 31.8882, 40.5304)

Have a look what the booklet for
XYZ(29.9953, 31.8882, 40.5304)
contains.

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Color

**XYZ(29.9401, 31.7937,
40.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	909AA6
RGB	144, 154, 166
RGB Percent	56%, 60%, 65%
CMY	0.4353, 0.3961, 0.3490
CMYK	0.13, 0.07, 0.00, 0.35
HSL	213°, 11%, 61%
HSV	213°, 13%, 65%
XYZ	29.9401, 31.7937, 40.6352
YIQ	152.3780, -9.8120, 1.6120

Conversions

Conversions Part 2

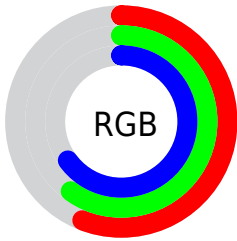
Format	Color
RYB	144, 151, 166
Decimal	9476774
CIELab	63.17, -1.05, -7.49
CIELCh	63, 7.564, 261.998
Yxy	31.7937, 0.2925, 0.3106
Android (android.graphics.Color)	4287666854 (0xFF909AA6)
YUV	152.3780, 6.7156, -7.3475
Hunter-Lab	56.3859, -3.8944, -3.2579

Details

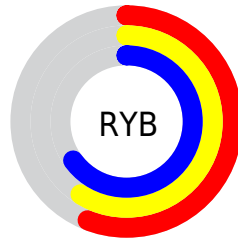
The XYZ color **29.9401, 31.7937, 40.6352** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6485, 33.8972, 31.2081**, and the grayscale version is **29.9840, 31.5455, 34.3531**.

A 20% lighter version of the original color is **58.8957, 62.3380, 77.3349**, and **12.4017, 13.2426, 17.8220** is the 20% darker color. If you saturate the color by 10%, you get **25.8132, 27.5319, 40.0306**, and if you desaturate by 10%, it is **34.6079, 36.5033, 41.2987**.

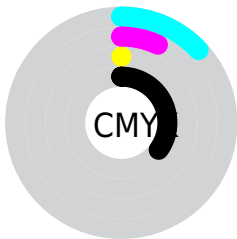
Distribution



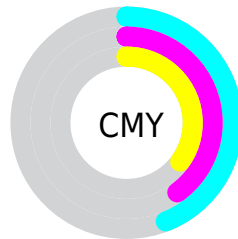
- Red (56%)
- Green (60%)
- Blue (65%)



- Red (56%)
- Yellow (59%)
- Blue (65%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (44%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9401, 31.7937, 40.6352 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 29.9401, 31.7937, 40.6352 by changing the saturation by 10% instead.

■ 29.9401, 31.7937,
40.6352

■ 29.9401, 31.7937,
40.6352

293.5400,
310.1784, 364.4250

■ 19.9410, 21.2040,
27.7166

■ 58.9547, 62.4875,
77.3774

■ 12.4602, 13.2732,
17.8750

■ 78.7009, 83.3604,
102.0382

■ 7.1323, 7.6169,
10.6917

102.4268,
108.4298, 131.4500

■ 3.5920, 3.8508,
5.7484

130.4979,
138.0802, 166.0315

■ 1.4740, 1.5905,
2.6264

163.2793,
172.6958, 206.2012

■ 0.3081, 0.3512,
0.9060

201.1366,

■ 0.0000, 0.0000,

212.6611, 252.3777

0.0000

244.4350,
258.3605, 304.9794

■ 29.9401, 31.7937,
40.6352

■ 29.9401, 31.7937,
40.6352

■ 25.8132, 27.5319,
40.0306

■ 34.6079, 36.5033,
41.2987

■ 22.2034, 23.6995,
39.4811

■ 39.8337, 41.6705,
42.0207

■ 19.0892, 20.2824,
38.9857

■ 45.6370, 47.3098,
42.8033

■ 16.4464, 17.2643,
38.5424

■ 52.0358, 53.4337,
43.6481

■ 14.2485, 14.6273,
38.1493

■ 59.0470, 60.0542,
44.5564

■ 12.4663, 12.3521,
37.8041

■ 66.6871, 67.1829,
45.5297

■ 11.0664, 10.4172,
37.5044

■ 73.0320, 73.8311,
46.4785

■ 10.0096, 8.7975,
37.2474

■ 75.4351, 78.6373,
47.2796

■ 9.4314, 7.8500,
37.0950

■ 77.9683, 83.7038,
48.1240

Harmonies

Analogous

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



28.9986, 31.7937, 39.3536



29.9401, 31.7937, 40.6352



30.9779, 31.7937, 40.2327

Triad

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



29.9401, 31.7937, 40.6352



32.1206, 31.7937, 32.5067



28.6630, 31.7937, 31.1943

Complementary

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



29.9401, 31.7937, 40.6352



32.6485, 33.8972, 31.2081

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.



29.4725, 31.7937, 29.5515



29.9401, 31.7937, 40.6352



31.4731, 31.7937, 30.2783

Square

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



29.9401, 31.7937, 40.6352



32.2528, 31.7937, 35.4252



30.4995, 31.7937, 29.2261



28.2724, 31.7937, 33.8230

Rectangle

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



29.9401, 31.7937, 40.6352



31.5835, 31.7937, 39.0733



30.4995, 31.7937, 29.2261



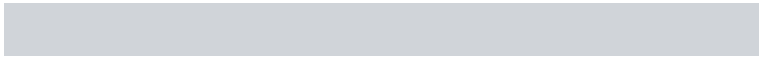
28.8943, 31.7937, 30.5148

Sweetspot

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



29.9410, 31.7950, 40.6359



62.0758, 65.5162, 74.8494



31.1165, 35.5935, 36.5649



13.7462, 14.5159, 16.7295



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.9410, 31.7950, 40.6359



51.9568, 55.2644, 73.4040



28.4868, 28.6957, 40.1143



7.4022, 7.8414, 9.5417



7.3591, 6.1784, 28.7802



0.2305, 0.2533, 0.7174

Inverse Universe

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



31.5326, 30.3872, 34.7768



55.4576, 52.2677, 60.4937



34.2434, 37.3146, 31.7836



7.6676, 7.5969, 8.5669



13.2151, 6.6948, 5.9444



0.3475, 0.1733, 0.2815

Previews

White Background



This preview shows how the XYZ color 29.9401, 31.7937, 40.6352 looks on a white background.

Color Contrast Check

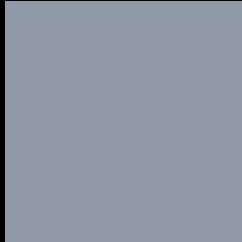
Large Text (above 18pt) WCAG AA × Fail

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 29.9401, 31.7937, 40.6352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

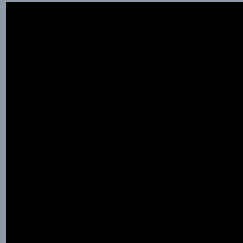
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

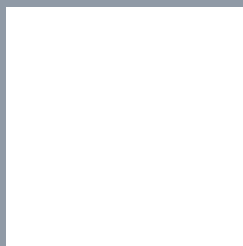
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9401, 31.7937, 40.6352

Background



This preview shows how black text looks on a background with the XYZ color 29.9401, 31.7937, 40.6352.

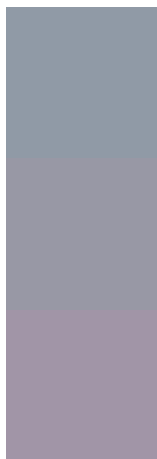


This preview shows how white text looks on a background with the XYZ color 29.9401, 31.7937,

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

29.9401, 31.7937, 40.6352

Protanopia

30.9687, 31.8485, 40.1125

Deuteranopia

32.4204, 31.8620, 41.0005



Tritanopia

29.9401, 31.7937, 40.6352

Trichromacy



Original Color

29.9401, 31.7937, 40.6352

Protanomaly

30.5772, 31.8886, 40.1408

Deuteranomaly

31.5592, 31.8918, 41.0516

Tritanomaly

29.9401, 31.7937, 40.6352

Monochromacy



Original Color

29.9401, 31.7937, 40.6352

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8715, 31.6063, 36.4245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9401, 31.7937, 40.6352 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(144, 154, 166) looks like.

```
.text, #text, p{  
    color:rgb(144, 154, 166)  
}
```

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(144, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.9401, 31.7937, 40.6352 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(144, 154, 166) }
```


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

```
.border{ border-color:rgb(144, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(144, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9401, 31.7937, 40.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 154, 166) }
```

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

```
.background{ background-color: rgb(144,  
154, 166) }
```

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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