

Converting Colors

XYZ(29.6502, 31.3060, 42.2493)

Have a look what the booklet for
XYZ(29.6502, 31.3060, 42.2493)
contains.

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Color

**XYZ(29.7080, 31.3978,
42.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	8E99A9
RGB	142, 153, 169
RGB Percent	56%, 60%, 66%
CMY	0.4431, 0.4000, 0.3373
CMYK	0.16, 0.09, 0.00, 0.34
HSL	216°, 14%, 61%
HSV	216°, 16%, 66%
XYZ	29.7080, 31.3978, 42.0307
YIQ	151.5350, -11.6920, 2.6440

Conversions

Conversions Part 2

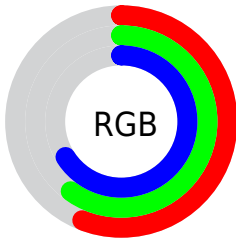
Format	Color
RYB	142, 150, 169
Decimal	9345449
CIELab	62.84, -0.51, -9.69
CIELCh	63, 9.703, 266.975
Yxy	31.3978, 0.2880, 0.3044
Android (android.graphics.Color)	4287535529 (0xFF8E99A9)
YUV	151.5350, 8.6102, -8.3622
Hunter-Lab	56.0337, -3.4218, -5.2496

Details

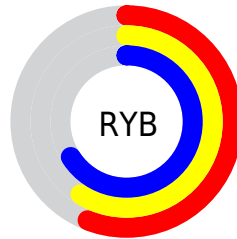
The XYZ color **29.7080, 31.3978, 42.0307** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4718, 34.8417, 30.5529**, and the grayscale version is **29.6133, 31.1555, 33.9283**.

A 20% lighter version of the original color is **58.5323, 61.7432, 79.3537**, and **12.2766, 13.0112, 18.6940** is the 20% darker color. If you saturate the color by 10%, you get **25.4547, 26.8740, 41.3822**, and if you desaturate by 10%, it is **34.5404, 36.4260, 42.7470**.

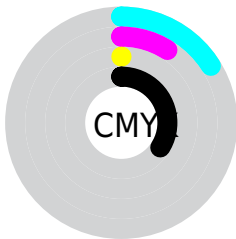
Distribution



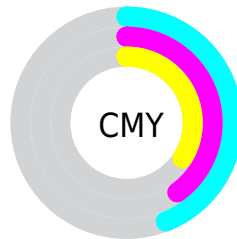
- Red (56%)
- Green (60%)
- Blue (66%)



- Red (56%)
- Yellow (59%)
- Blue (66%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (44%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7080, 31.3978, 42.0307 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 29.7080, 31.3978, 42.0307 by changing the saturation by 10% instead.

■ 29.7080, 31.3978,
42.0307

■ 29.7080, 31.3978,
42.0307

292.4753,
308.3668, 370.4136

■ 19.7640, 20.9019,
28.7996

■ 58.5899, 61.8658,
79.5167

■ 12.3309, 13.0523,
18.6850

■ 78.2585, 82.6068,
104.6086

■ 7.0432, 7.4646,
11.2684

101.8994,
107.5316, 134.4912

■ 3.5357, 3.7543,
6.1312

129.8779,
137.0246, 169.5831

■ 1.4430, 1.5371,
2.8550

162.5594,
171.4702, 210.3027

■ 0.2865, 0.3146,
1.0211

200.3093,

■ 0.0000, 0.0000,

211.2529, 257.0687

0.0000

243.4928,
256.7570, 310.2994

■ 29.7080, 31.3978,
42.0307

■ 29.7080, 31.3978,
42.0307

■ 25.4547, 26.8740,
41.3822

■ 34.5404, 36.4260,
42.7470

■ 21.7546, 22.8338,
40.7974

■ 39.9708, 41.9706,
43.5311

■ 18.5840, 19.2606,
40.2748

■ 46.0206, 48.0483,
44.3853

■ 15.9159, 16.1352,
39.8121

■ 52.7096, 54.6736,
45.3116

■ 13.7213, 13.4368,
39.4070

■ 60.0563, 61.8606,
46.3116

■ 11.9676, 11.1427,
39.0566

■ 68.0785, 69.6226,
47.3870

■ 10.6173, 9.2275,
38.7581

■ 74.8158, 76.9531,
48.4468

■ 9.6222, 7.6596,
38.5079

■ 77.5725, 82.4666,
49.3657

■ 9.2813, 7.1041,
38.4187

■ 80.4901, 88.3018,
50.3383

Harmonies

Analogous

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



28.4711, 31.3978, 40.6994



29.7080, 31.3978, 42.0307



31.0172, 31.3978, 41.1348

Triad

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



29.7080, 31.3978, 42.0307



32.1792, 31.3978, 30.9725



27.7504, 31.3978, 30.3504

Complementary

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



29.7080, 31.3978, 42.0307



33.4718, 34.8417, 30.5529

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.



28.6981, 31.3978, 28.0690



29.7080, 31.3978, 42.0307



31.2575, 31.3978, 28.4090

Square

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



29.7080, 31.3978, 42.0307



32.4687, 31.3978, 34.5746



29.9777, 31.3978, 27.3852



27.3622, 31.3978, 33.8021

Rectangle

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



29.7080, 31.3978, 42.0307



31.7506, 31.3978, 39.4290



29.9777, 31.3978, 27.3852



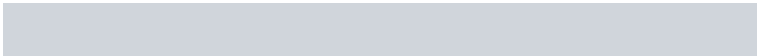
28.0127, 31.3978, 29.4313

Sweetspot

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



29.7089, 31.3991, 42.0314



62.6772, 66.0782, 76.6760



31.4940, 36.5873, 37.6378



13.5256, 14.2629, 16.6923



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.



29.7089, 31.3991, 42.0314



50.5298, 53.4081, 74.8707



28.3804, 28.1631, 41.4768



7.3734, 7.7838, 9.5321



6.9672, 5.3946, 28.6495



0.2201, 0.2324, 0.7139

Inverse Universe

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



31.7857, 30.0817, 34.2695



54.9576, 50.7241, 58.2938



34.9546, 38.5177, 31.1843



7.6531, 7.5911, 8.4903



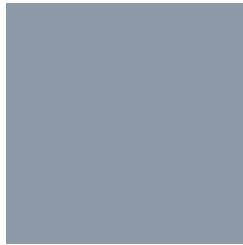
13.0173, 6.6156, 4.9027



0.3422, 0.1712, 0.2537

Previews

White Background



This preview shows how the XYZ color 29.7080, 31.3978, 42.0307 looks on a white background.

Color Contrast Check

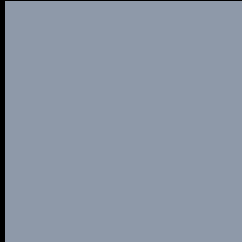
Large Text (above 18pt) WCAG AA × Fail

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 29.7080, 31.3978, 42.0307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

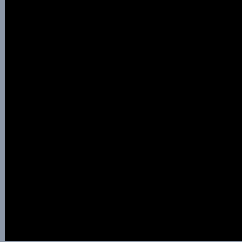
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

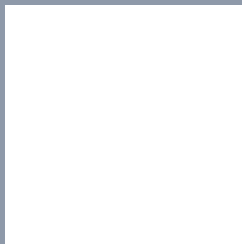
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7080, 31.3978, 42.0307

Background



This preview shows how black text looks on a background with the XYZ color 29.7080, 31.3978, 42.0307.



This preview shows how white text looks on a background with the XYZ color 29.7080, 31.3978,

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

29.7080, 31.3978, 42.0307

Protanopia

30.7122, 31.4444, 41.4965

Deuteranopia

31.9462, 31.3512, 42.3979



Tritanopia

29.4230, 31.5271, 40.6110

Trichromacy



Original Color

29.7080, 31.3978, 42.0307

Protanomaly

30.3287, 31.4867, 41.5248

Deuteranomaly

31.1109, 31.3904, 42.4494

Tritanomaly

29.5152, 31.5639, 41.0961

Monochromacy



Original Color

29.7080, 31.3978, 42.0307

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6125, 31.2210, 36.8133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7080, 31.3978, 42.0307 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, 153, 169)` looks like.

```
.text, #text, p{  
    color:rgb(142, 153, 169)  
}
```

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, 153, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 153, 169) }
```

Border

The CSS property to change the border of an element to XYZ 29.7080, 31.3978, 42.0307 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, 153, 169) }
```


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

```
.border{ border-color:rgb(142, 153, 169) }
```

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

Here you see how a box with a 4 pixel rgb(142, 153, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 153, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 153, 169);  
box-shadow:4px 4px 4px 4px rgb(142, 153,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7080, 31.3978, 42.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 153, 169) }
```

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

```
.background{ background-color: rgb(142,  
153, 169) }
```

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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