

Converting Colors

XYZ(29.8978, 31.7915, 38.6514)

Have a look what the booklet for
XYZ(29.8978, 31.7915, 38.6514)
contains.

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Color

**XYZ(29.9312, 31.8308,
38.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	929AA2
RGB	146, 154, 162
RGB Percent	57%, 60%, 64%
CMY	0.4274, 0.3961, 0.3647
CMYK	0.10, 0.05, 0.00, 0.36
HSL	210°, 8%, 60%
HSV	210°, 10%, 64%
XYZ	29.9312, 31.8308, 38.7488
YIQ	152.5200, -7.3360, 0.7920

Conversions

Conversions Part 2

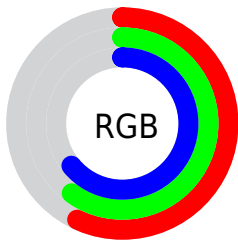
Format	Color
RYB	146, 151, 162
Decimal	9607842
CIELab	63.20, -1.22, -5.17
CIELCh	63, 5.316, 256.739
Yxy	31.8308, 0.2978, 0.3167
Android (android.graphics.Color)	4287797922 (0xFF929AA2)
YUV	152.5200, 4.6736, -5.7180
Hunter-Lab	56.4188, -4.0354, -1.2276

Details

The XYZ color **29.9312, 31.8308, 38.7488** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6443, 32.8676, 31.8709**, and the grayscale version is **30.0532, 31.6183, 34.4324**.

A 20% lighter version of the original color is **58.8997, 62.4009, 74.5859**, and **12.3840, 13.2592, 16.6584** is the 20% darker color. If you saturate the color by 10%, you get **25.9615, 27.8676, 38.1935**, and if you desaturate by 10%, it is **34.4010, 36.1874, 39.3546**.

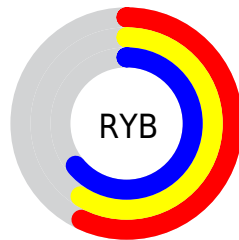
Distribution



Red (57%)

Green (60%)

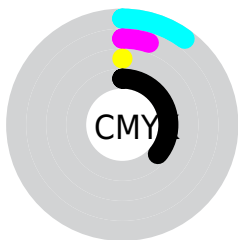
Blue (64%)



Red (57%)

Yellow (59%)

Blue (64%)

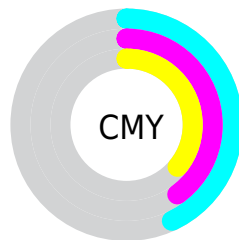


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (36%)



Cyan (43%)

Magenta (40%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9312, 31.8308, 38.7488 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 29.9312, 31.8308, 38.7488 by changing the saturation by 10% instead.

■ 29.9312, 31.8308,
38.7488

■ 29.9312, 31.8308,
38.7488

293.4992,
310.3478, 356.2153

■ 19.9342, 21.2323,
26.2580

■ 58.9407, 62.5457,
74.4705

■ 12.4552, 13.2939,
16.7893

■ 78.6840, 83.4310,
98.5386

■ 7.1289, 7.6312,
9.9240

102.4066,
108.5139, 127.3028

■ 3.5899, 3.8599,
5.2437

130.4741,
138.1789, 161.1817

■ 1.4728, 1.5955,
2.3297

163.2518,
172.8104, 200.5939

■ 0.3072, 0.3546,
0.7478

201.1049,

■ 0.0000, 0.0000,

212.7928, 245.9578

0.0000

244.3990,
258.5104, 297.6922

■ 29.9312, 31.8308,
38.7488

■ 29.9312, 31.8308,
38.7488

■ 25.9615, 27.8676,
38.1935

■ 34.4010, 36.1874,
39.3546

■ 22.4703, 24.2814,
37.6853

■ 39.3860, 40.9452,
40.0102

■ 19.4385, 21.0606,
37.2235

■ 44.9039, 46.1166,
40.7176

■ 16.8444, 18.1912,
36.8063

■ 50.9708, 51.7122,
41.4779

■ 14.6645, 15.6582,
36.4323

■ 57.6021, 57.7425,
42.2923

■ 12.8730, 13.4452,
36.0996

■ 64.8125, 64.2173,
43.1621

■ 11.4405, 11.5342,
35.8062

■ 70.9781, 70.3016,
44.0115

■ 10.3332, 9.9043,
35.5500

■ 73.0369, 74.4191,
44.6977

■ 9.4759, 8.5135,
35.3267

■ 75.1984, 78.7421,
45.4183

Harmonies

Analogous

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



29.2960, 31.8308, 37.6900



29.9312, 31.8308, 38.7488



30.6631, 31.8308, 38.6804

Triad

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



29.9312, 31.8308, 38.7488



31.6278, 31.8308, 33.5057



29.2367, 31.8308, 31.9580

Complementary

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



29.9312, 31.8308, 38.7488



31.6443, 32.8676, 31.8709

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.



29.8490, 31.8308, 30.9252



29.9312, 31.8308, 38.7488



31.2331, 31.8308, 31.7937

Square

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



29.9312, 31.8308, 38.7488



31.6507, 31.8308, 35.5951



30.5796, 31.8308, 30.8664



28.8995, 31.8308, 33.7382

Rectangle

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



29.9312, 31.8308, 38.7488



31.1074, 31.8308, 38.0039



30.5796, 31.8308, 30.8664



29.4168, 31.8308, 31.5151

Sweetspot

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



29.9321, 31.8321, 38.7495



59.7715, 63.1021, 71.0857



30.5854, 34.2764, 35.4600



13.2789, 14.0311, 15.9459



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.9321, 31.8321, 38.7495



52.5636, 56.0326, 70.1011



28.6962, 29.3602, 38.3375



6.9794, 7.4178, 8.9670



7.5006, 6.7805, 27.8432



0.2049, 0.2370, 0.6008

Inverse Universe

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



31.0126, 30.5728, 34.8400



54.9662, 53.2906, 61.3945



32.9625, 35.5040, 32.3103



7.2146, 7.1423, 8.1164



12.9314, 6.5286, 6.8294



0.2956, 0.1467, 0.2691

Previews

White Background



This preview shows how the XYZ color 29.9312, 31.8308, 38.7488 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 29.9312, 31.8308, 38.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

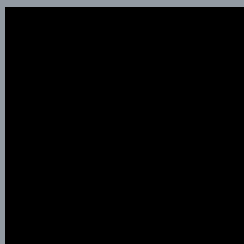
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

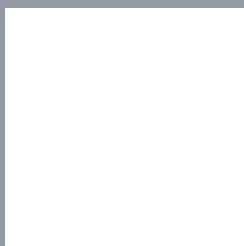
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9312, 31.8308, 38.7488

Background



This preview shows how black text looks on a background with the XYZ color 29.9312, 31.8308, 38.7488.



This preview shows how white text looks on a background with the XYZ color 29.9312, 31.8308,

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

29.9312, 31.8308, 38.7488

Protanopia

30.7981, 31.8020, 38.2334

Deuteranopia

32.3050, 31.6107, 39.0491



Tritanopia

30.3068, 31.7387, 40.6052

Trichromacy



Original Color

29.9312, 31.8308, 38.7488

Protanomaly

30.4019, 31.8397, 38.2615

Deuteranomaly

31.4218, 31.6251, 39.0985

Tritanomaly

30.2154, 31.7021, 40.1239

Monochromacy



Original Color

29.9312, 31.8308, 38.7488

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9697, 31.6668, 35.9852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9312, 31.8308, 38.7488 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(146, 154, 162) looks like.

```
.text, #text, p{  
    color:rgb(146, 154, 162)  
}
```

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(146, 154, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 154, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.9312, 31.8308, 38.7488 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(146, 154, 162) }
```


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

```
.border{ border-color:rgb(146, 154, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 154, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 154, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 154, 162);  
box-shadow:4px 4px 4px 4px rgb(146, 154,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9312, 31.8308, 38.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 154, 162) }
```

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

```
.background{ background-color: rgb(146,  
154, 162) }
```

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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