

Converting Colors

XYZ(31.1511, 29.7151, 46.1100)

Have a look what the booklet for
XYZ(31.1511, 29.7151, 46.1100)
contains.

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Color

**XYZ(31.1848, 29.7293,
46.2142)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8FB2
RGB	154, 143, 178
RGB Percent	60%, 56%, 70%
CMY	0.3961, 0.4392, 0.3020
CMYK	0.13, 0.20, 0.00, 0.30
HSL	259°, 19%, 63%
HSV	259°, 20%, 70%
XYZ	31.1848, 29.7293, 46.2142
YIQ	150.2790, -4.6790, 13.2170

Conversions

Conversions Part 2

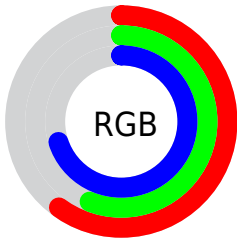
Format	Color
RYB	154, 143, 178
Decimal	10129330
CIELab	61.42, 11.15, -16.82
CIElCh	61, 20.180, 303.539
Yxy	29.7293, 0.2911, 0.2775
Android (android.graphics.Color)	4288319410 (0xFF9A8FB2)
YUV	150.2790, 13.6665, 3.2633
Hunter-Lab	54.5246, 6.6733, -12.0861

Details

The XYZ color **31.1848, 29.7293, 46.2142** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.8156, 42.0402, 32.1621**, and the grayscale version is **29.0538, 30.5669, 33.2874**.

A 20% lighter version of the original color is **61.1120, 59.4283, 86.0918**, and **13.2095, 12.1929, 21.0593** is the 20% darker color. If you saturate the color by 10%, you get **26.5157, 23.6659, 45.2904**, and if you desaturate by 10%, it is **36.5161, 36.7650, 47.2917**.

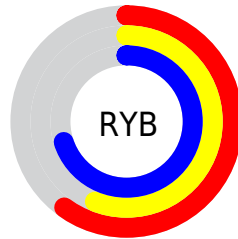
Distribution



Red (60%)

Green (56%)

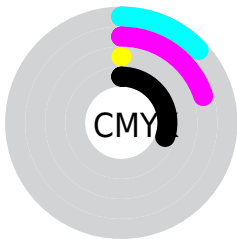
Blue (70%)



Red (60%)

Yellow (56%)

Blue (70%)

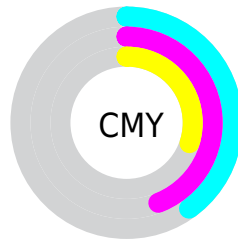


Cyan (13%)

Magenta (20%)

Yellow (0%)

Black (30%)



Cyan (40%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1848, 29.7293, 46.2142 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 31.1848, 29.7293, 46.2142 by changing the saturation by 10% instead.

■ 31.1848, 29.7293,
46.2142

■ 31.1848, 29.7293,
46.2142

299.2005,
300.6406, 387.9717

■ 20.8921, 19.6332,
32.0650

■ 60.9048, 59.2338,
85.8771

■ 13.1572, 12.1287,
21.1459

■ 81.0628, 79.4110,
112.2279

■ 7.6146, 6.8314,
13.0384

■ 105.2399,
103.7174, 143.4830

■ 3.8991, 3.3569,
7.3240

133.8016,
132.5374, 180.0610

■ 1.6452, 1.3208,
3.5840

167.1131,
166.2553, 222.3803

■ 0.4216, 0.1572,
1.4000

205.5399,

■ 0.0000, 0.0000,

205.2555, 270.8594

0.1417

249.4472,
249.9225, 325.9171

■ 0.0000, 0.0000,
0.0000

■ 31.1848, 29.7293,
46.2142

■ 31.1848, 29.7293,
46.2142

■ 26.5157, 23.6659,
45.2904

■ 36.5161, 36.7650,
47.2917

■ 22.4789, 18.5275,
44.5114

■ 42.5320, 44.8100,
48.5275

■ 19.0465, 14.2685,
43.8702

■ 49.2576, 53.9038,
49.9283

■ 16.1872, 10.8377,
43.3587

■ 56.7155, 64.0829,
51.5000

■ 13.8666, 8.1786,
42.9677

■ 64.9276, 75.3818,
53.2481

■ 12.0462, 6.2274,
42.6871

■ 73.9146, 87.8336,
55.1778

■ 10.6819, 4.9093,
42.5045

■ 79.5430, 93.1627,
55.9098

■ 9.6932, 4.0784,
42.3963

■ 83.8146, 95.3648,
56.1097

■ 9.6635, 4.0534,
42.3930

■ 85.0360, 95.9944,
56.1669

Harmonies

Analogous

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



28.5744, 29.7293, 49.3460



31.1848, 29.7293, 46.2142



33.0990, 29.7293, 39.3627

Triad

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



31.1848, 29.7293, 46.2142



30.6032, 29.7293, 20.9254



23.4428, 29.7293, 33.2848

Complementary

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



31.1848, 29.7293, 46.2142



36.8156, 42.0402, 32.1621

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.



23.9115, 29.7293, 26.2590



31.1848, 29.7293, 46.2142



27.9416, 29.7293, 19.8166

Square

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



31.1848, 29.7293, 46.2142



32.7487, 29.7293, 24.9173



25.5181, 29.7293, 21.6102



24.1957, 29.7293, 41.1781

Rectangle

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



31.1848, 29.7293, 46.2142



33.6628, 29.7293, 34.0506



25.5181, 29.7293, 21.6102



23.4630, 29.7293, 30.7460

Sweetspot

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



31.1857, 29.7305, 46.2149



69.9553, 71.6468, 86.5233



33.2751, 36.8759, 47.4839



15.3468, 15.6708, 19.1382



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.1857, 29.7305, 46.2149



52.3804, 48.4711, 82.9763



34.6538, 31.5184, 46.3772



8.2850, 8.3554, 10.6824



6.9726, 2.9303, 30.3351



0.2812, 0.1241, 0.9574

Inverse Universe

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



35.1586, 31.9011, 40.8649



61.0983, 53.2385, 71.0417



33.4570, 40.3087, 32.0049



8.7341, 8.6004, 10.0981



15.6824, 7.7905, 14.0196



0.5184, 0.2551, 0.5724

Previews

White Background



This preview shows how the XYZ color 31.1848, 29.7293, 46.2142 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1848, 29.7293, 46.2142 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 × Fail

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

XYZ 31.1848, 29.7293, 46.2142

Background



This preview shows how black text looks on a background with the XYZ color 31.1848, 29.7293, 46.2142.



This preview shows how white text looks on a background with the XYZ color 31.1848, 29.7293,

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

31.1848, 29.7293, 46.2142

Protanopia

29.7587, 29.8664, 47.9124

Deuteranopia

30.3740, 29.7611, 46.2631



Tritanopia

29.3678, 29.9154, 36.5741

Trichromacy



Original Color

31.1848, 29.7293, 46.2142

Protanomaly

30.3712, 29.9640, 47.3629

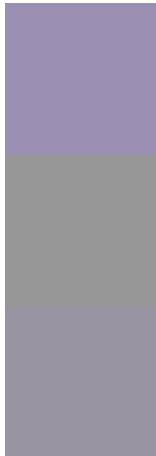
Deuteranomaly

30.5868, 29.6449, 46.2294

Tritanomaly

30.0193, 29.9498, 39.7960

Monochromacy



Original Color

31.1848, 29.7293, 46.2142

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5414, 29.9848, 37.4884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1848, 29.7293, 46.2142 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(154, 143, 178)` looks like.

```
.text, #text, p{  
    color:rgb(154, 143, 178)  
}
```

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(154, 143, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 143, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.1848, 29.7293, 46.2142 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(154, 143, 178) }
```


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

```
.border{ border-color:rgb(154, 143, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 143, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 143, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 143, 178);  
box-shadow:4px 4px 4px 4px rgb(154, 143,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1848, 29.7293, 46.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 143, 178) }
```

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

```
.background{ background-color: rgb(154,  
143, 178) }
```

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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