

Converting Colors

XYZ(31.4956, 32.0488, 48.2430)

Have a look what the booklet for
XYZ(31.4956, 32.0488, 48.2430)
contains.

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Color

**XYZ(31.4228, 31.9037,
48.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	9298B5
RGB	146, 152, 181
RGB Percent	57%, 60%, 71%
CMY	0.4274, 0.4039, 0.2902
CMYK	0.19, 0.16, 0.00, 0.29
HSL	230°, 19%, 64%
HSV	230°, 19%, 71%
XYZ	31.4228, 31.9037, 48.2179
YIQ	153.5120, -12.8850, 7.7470

Conversions

Conversions Part 2

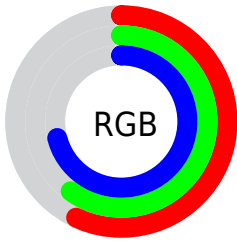
Format	Color
RYB	146, 151, 181
Decimal	9607349
CIELab	63.26, 4.08, -15.78
CIElCh	63, 16.303, 284.492
Yxy	31.9037, 0.2817, 0.2860
Android (android.graphics.Color)	4287797429 (0xFF9298B5)
YUV	153.5120, 13.5516, -6.5880
Hunter-Lab	56.4834, 0.4572, -11.0755

Details

The XYZ color **31.4228, 31.9037, 48.2179** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.5746, 42.5589, 33.3238**, and the grayscale version is **30.4490, 32.0347, 34.8858**.

A 20% lighter version of the original color is **61.1768, 62.5364, 88.9671**, and **13.2693, 13.2988, 22.2896** is the 20% darker color. If you saturate the color by 10%, you get **26.1746, 25.8112, 47.3191**, and if you desaturate by 10%, it is **37.4902, 38.8770, 49.2446**.

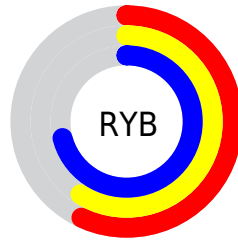
Distribution



Red (57%)

Green (60%)

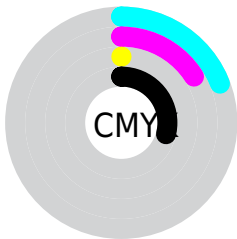
Blue (71%)



Red (57%)

Yellow (59%)

Blue (71%)

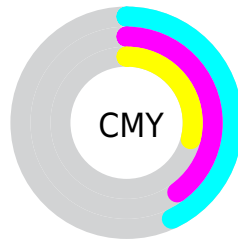


Cyan (19%)

Magenta (16%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (40%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4228, 31.9037, 48.2179 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 31.4228, 31.9037, 48.2179 by changing the saturation by 10% instead.

■ 31.4228, 31.9037,
48.2179

■ 31.4228, 31.9037,
48.2179

300.2737,
310.6803, 396.1888

■ 21.0744, 21.2880,
33.6383

■ 61.2764, 62.6601,
88.8977

■ 13.2912, 13.3346,
22.3407

■ 81.5124, 83.5695,
115.8349

■ 7.7077, 7.6594,
13.9068

105.7749,
108.6790, 147.7284

■ 3.9587, 3.8778,
7.9178

134.4294,
138.3728, 184.9967

■ 1.6788, 1.6054,
3.9554

167.8412,
173.0355, 228.0583

■ 0.4430, 0.3613,
1.6009

206.3756,

■ 0.0000, 0.0000,

213.0514, 277.3319

0.2915

250.3979,
258.8049, 333.2358

■ 0.0000, 0.0000,
0.0000

■ 31.4228, 31.9037,
48.2179

■ 31.4228, 31.9037,
48.2179

■ 26.1746, 25.8112,
47.3191

■ 37.4902, 38.8770,
49.2446

■ 21.7072, 20.5603,
46.5410

■ 44.4069, 46.7603,
50.4017

■ 17.9837, 16.1146,
45.8791

■ 52.2053, 55.5863,
51.6943

■ 14.9628, 12.4338,
45.3279

■ 60.9152, 65.3851,
53.1266

■ 12.5992, 9.4735,
44.8811

■ 70.5647, 76.1852,
54.7026

■ 10.8420, 7.1850,
44.5320

■ 81.1811, 88.0141,
56.4263

■ 9.6327, 5.5131,
44.2730

■ 85.3406, 96.1162,
57.7709

■ 8.8730, 4.3788,
44.0941

■ 8.8316, 4.3182,
44.0846

Harmonies

Analogous

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



29.1776, 31.9037, 48.1469



31.4228, 31.9037, 48.2179



33.4685, 31.9037, 44.3822

Triad

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



31.4228, 31.9037, 48.2179



33.5267, 31.9037, 26.7334



26.3300, 31.9037, 31.5186

Complementary

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



31.4228, 31.9037, 48.2179



39.5746, 42.5589, 33.3238

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.



27.3820, 31.9037, 26.6026



31.4228, 31.9037, 48.2179



31.4990, 31.9037, 24.0826

Square

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



31.4228, 31.9037, 48.2179



34.7235, 31.9037, 31.7187



29.2502, 31.9037, 24.0379



26.3119, 31.9037, 37.9425

Rectangle

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



31.4228, 31.9037, 48.2179



34.4124, 31.9037, 40.3712



29.2502, 31.9037, 24.0379



26.5720, 31.9037, 29.6543

Sweetspot

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



31.4238, 31.9050, 48.2186



70.9828, 74.0147, 88.8397



36.0756, 42.2381, 46.5952



15.1759, 15.8077, 19.1736



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.



31.4238, 31.9050, 48.2186



52.3005, 52.5369, 85.6787



32.5410, 31.0712, 47.9988



8.1559, 8.4579, 10.7090



6.1244, 3.0492, 30.4028



0.2284, 0.1673, 0.9685

Inverse Universe

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



35.0032, 32.6493, 34.1643



59.8629, 54.2096, 55.9632



38.2723, 43.6604, 33.6050



8.5539, 8.5283, 9.1491



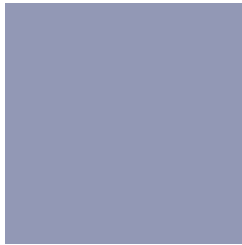
13.3260, 6.8479, 1.6106



0.4373, 0.2227, 0.1455

Previews

White Background



This preview shows how the XYZ color 31.4228, 31.9037, 48.2179 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 31.4228, 31.9037, 48.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

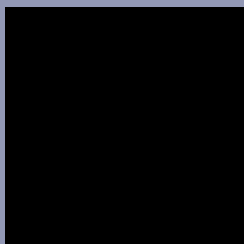
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

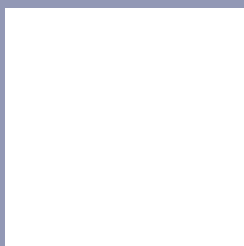
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4228, 31.9037, 48.2179

Background



This preview shows how black text looks on a background with the XYZ color 31.4228, 31.9037, 48.2179.



This preview shows how white text looks on a background with the XYZ color 31.4228, 31.9037,

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

31.4228, 31.9037, 48.2179

Protanopia

31.6013, 31.9957, 48.2263

Deuteranopia

32.5174, 31.7423, 48.6690



Tritanopia

29.8583, 31.7409, 41.1121

Trichromacy



Original Color

31.4228, 31.9037, 48.2179

Protanomaly

31.6013, 31.9957, 48.2263

Deuteranomaly

32.1123, 31.7694, 48.6956

Tritanomaly

30.3392, 31.6903, 43.5475

Monochromacy



Original Color

31.4228, 31.9037, 48.2179

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8546, 32.0421, 39.6805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4228, 31.9037, 48.2179 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, 152, 181)` looks like.

```
.text, #text, p{  
    color:rgb(146, 152, 181)  
}
```

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, 152, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 152, 181) }
```

Border

The CSS property to change the border of an element to XYZ 31.4228, 31.9037, 48.2179 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, 152, 181) }
```


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

```
.border{ border-color:rgb(146, 152, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 152, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 152, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 152, 181);  
box-shadow:4px 4px 4px 4px rgb(146, 152,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4228, 31.9037, 48.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 152, 181) }
```

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

```
.background{ background-color: rgb(146,  
152, 181) }
```

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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