

Converting Colors

XYZ(31.9228, 30.8684, 45.8713)

Have a look what the booklet for
XYZ(31.9228, 30.8684, 45.8713)
contains.

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Color

**XYZ(31.9250, 30.8000,
45.8573)**

Conversions

Conversions Part 1

Format	Color
Hex	9C92B1
RGB	156, 146, 177
RGB Percent	61%, 57%, 69%
CMY	0.3882, 0.4274, 0.3059
CMYK	0.12, 0.18, 0.00, 0.31
HSL	259°, 17%, 63%
HSV	259°, 18%, 69%
XYZ	31.9250, 30.8000, 45.8573
YIQ	152.5240, -3.9910, 11.7610

Conversions

Conversions Part 2

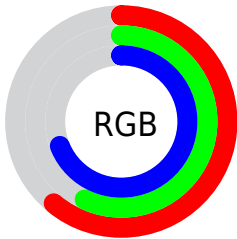
Format	Color
RYB	156, 146, 177
Decimal	10261169
CIELab	62.34, 9.90, -14.85
CIELCh	62, 17.846, 303.686
Yxy	30.8000, 0.2940, 0.2837
Android (android.graphics.Color)	4288451249 (0xFF9C92B1)
YUV	152.5240, 12.0667, 3.0485
Hunter-Lab	55.4977, 5.5608, -10.1424

Details

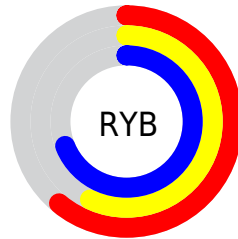
The XYZ color **31.9250, 30.8000, 45.8573** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.8478, 41.7358, 33.3093**, and the grayscale version is **30.0230, 31.5865, 34.3977**.

A 20% lighter version of the original color is **62.2262, 61.0406, 85.5931**, and **13.6467, 12.8242, 20.8249** is the 20% darker color. If you saturate the color by 10%, you get **27.1982, 24.6222, 44.9145**, and if you desaturate by 10%, it is **37.3052, 37.9433, 46.9530**.

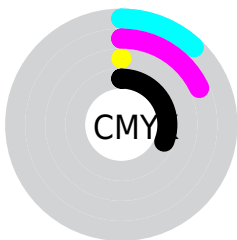
Distribution



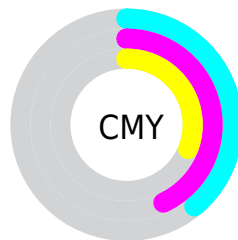
- Red (61%)
- Green (57%)
- Blue (69%)



- Red (61%)
- Yellow (57%)
- Blue (69%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (39%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9250, 30.8000, 45.8573 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 31.9250, 30.8000, 45.8573 by changing the saturation by 10% instead.

■ 31.9250, 30.8000,
45.8573

■ 31.9250, 30.8000,
45.8573

302.5288,
305.6159, 386.4956

■ 21.4595, 20.4466,
31.7854

■ 62.0595, 60.9251,
85.3374

■ 13.5747, 12.7201,
20.9342

■ 82.4592, 81.4655,
111.5827

■ 7.9051, 7.2361,
12.8851

106.9009,
106.1704, 142.7229

■ 4.0856, 3.6102,
7.2197

135.7502,
135.4242, 179.1764

■ 1.7507, 1.4580,
3.5193

169.3722,
169.6112, 221.3619

■ 0.4877, 0.2589,
1.3655

208.1325,

■ 0.0000, 0.0000,

209.1159, 269.6979

0.1146

252.3962,
254.3227, 324.6030

■ 0.0000, 0.0000,
0.0000

■ 31.9250, 30.8000,
45.8573

■ 31.9250, 30.8000,
45.8573

■ 27.1982, 24.6222,
44.9145

■ 37.3052, 37.9433,
46.9530

■ 23.0960, 19.3640,
44.1158

■ 43.3605, 46.0878,
48.2059

■ 19.5915, 14.9812,
43.4545

■ 50.1150, 55.2721,
49.6227

■ 16.6547, 11.4246,
42.9228

■ 57.5906, 65.5315,
51.2089

■ 14.2528, 8.6400,
42.5119

■ 65.8084, 76.8996,
52.9701

■ 12.3492, 6.5661,
42.2119

■ 74.7886, 89.4087,
54.9112

■ 10.9021, 5.1323,
42.0115

■ 79.6101, 93.2088,
55.3906

■ 9.8517, 4.2329,
41.8932

■ 83.8151, 95.3766,
55.5874

■ 9.6285, 4.0469,
41.8691

■ 84.9359, 95.9544,
55.6399

Harmonies

Analogous

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



29.5739, 30.8000, 48.6271



31.9250, 30.8000, 45.8573



33.6352, 30.8000, 39.7804

Triad

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



31.9250, 30.8000, 45.8573



31.3806, 30.8000, 22.9761



24.8826, 30.8000, 34.3978

Complementary

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



31.9250, 30.8000, 45.8573



36.8478, 41.7358, 33.3093

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.



25.3080, 30.8000, 27.9818



31.9250, 30.8000, 45.8573



28.9771, 30.8000, 21.9429

Square

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



31.9250, 30.8000, 45.8573



33.3089, 30.8000, 26.6904



26.7749, 30.8000, 23.6467



25.5797, 30.8000, 41.4621

Rectangle

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



31.9250, 30.8000, 45.8573



34.1343, 30.8000, 35.0192



26.7749, 30.8000, 23.6467



24.8993, 30.8000, 32.0952

Sweetspot

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



31.9259, 30.8013, 45.8580



69.3311, 71.3273, 84.6087



33.6432, 36.9909, 46.9622



14.8696, 15.2492, 18.3040



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.9259, 30.8013, 45.8580



53.7855, 50.7072, 81.4480



35.0793, 32.4269, 46.0056



8.2915, 8.3588, 10.6827



7.0333, 2.9616, 30.3379



0.2839, 0.1254, 0.9575

Inverse Universe

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



35.3864, 32.6962, 41.0064



61.1907, 54.7650, 70.9336



33.8011, 40.1652, 33.1667



8.7311, 8.5992, 10.0824



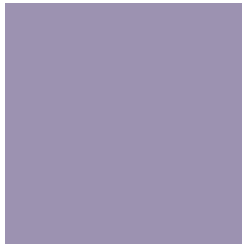
15.6178, 7.7647, 13.6792



0.5167, 0.2544, 0.5635

Previews

White Background



This preview shows how the XYZ color 31.9250, 30.8000, 45.8573 looks on a white background.

Color Contrast Check

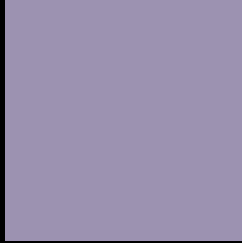
Large Text (above 18pt) WCAG AA × Fail

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 31.9250, 30.8000, 45.8573 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 31.9250, 30.8000, 45.8573

Background



This preview shows how black text looks on a background with the XYZ color 31.9250, 30.8000, 45.8573.



This preview shows how white text looks on a background with the XYZ color 31.9250, 30.8000,

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

31.9250, 30.8000, 45.8573

Protanopia

30.5612, 30.7693, 46.9761

Deuteranopia

31.5064, 30.8141, 45.8821



Tritanopia

30.3173, 30.8404, 38.0731

Trichromacy



Original Color

31.9250, 30.8000, 45.8573

Protanomaly

31.0202, 30.7837, 46.4264

Deuteranomaly

31.6960, 30.9118, 45.8910

Tritanomaly

30.8914, 30.8399, 40.8838

Monochromacy



Original Color

31.9250, 30.8000, 45.8573

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7544, 31.2914, 38.6013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9250, 30.8000, 45.8573 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(156, 146, 177)` looks like.

```
.text, #text, p{  
    color:rgb(156, 146, 177)  
}
```

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(156, 146, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 146, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.9250, 30.8000, 45.8573 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(156, 146, 177) }
```


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

```
.border{ border-color:rgb(156, 146, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 146, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 146, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 146, 177);  
box-shadow:4px 4px 4px 4px rgb(156, 146,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9250, 30.8000, 45.8573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 146, 177) }
```

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

```
.background{ background-color: rgb(156,  
146, 177) }
```

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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