

Converting Colors

XYZ(31.2692, 29.5605, 39.1256)

Have a look what the booklet for
XYZ(31.2692, 29.5605, 39.1256)
contains.

XYZ(31.3300, 29.5166, 39.1680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3300, 29.5166,
39.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	A38DA4
RGB	163, 141, 164
RGB Percent	64%, 55%, 64%
CMY	0.3608, 0.4470, 0.3569
CMYK	0.01, 0.14, 0.00, 0.36
HSL	297°, 11%, 60%
HSV	297°, 14%, 64%
XYZ	31.3300, 29.5166, 39.1680
YIQ	150.2000, 5.7290, 11.8170

Conversions

Conversions Part 2

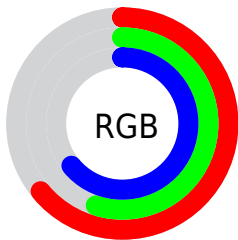
Format	Color
R _Y B	163, 141, 164
Decimal	10718628
CIE Lab	61.23, 12.48, -9.08
CIE LCh	61, 15.433, 323.978
Yxy	29.5166, 0.3133, 0.2951
Android (android.graphics.Color)	4288908708 (0xFFA38DA4)
YUV	150.2000, 6.8034, 11.2256
Hunter-Lab	54.3292, 7.8595, -4.7140

Details

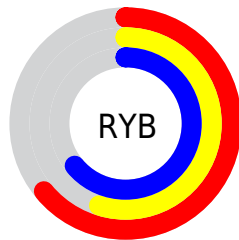
The XYZ color **31.3300, 29.5166, 39.1680** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.2395, 34.2256, 30.2658**, and the grayscale version is **29.0454, 30.5580, 33.2776**.

A 20% lighter version of the original color is **61.2147, 59.0501, 75.1893**, and **13.2213, 12.0315, 16.9547** is the 20% darker color. If you saturate the color by 10%, you get **28.9434, 24.9590, 38.4145**, and if you desaturate by 10%, it is **34.0773, 34.7933, 40.0422**.

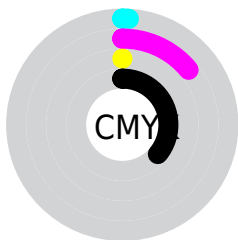
Distribution



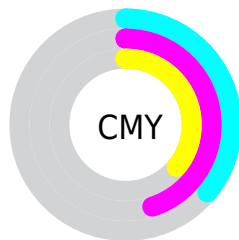
- Red (64%)
- Green (55%)
- Blue (64%)



- Red (64%)
- Yellow (55%)
- Blue (64%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3300, 29.5166, 39.1680 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 31.3300, 29.5166, 39.1680 by changing the saturation by 10% instead.

■ 31.3300, 29.5166,
39.1680

■ 31.3300, 29.5166,
39.1680

299.8556,
299.6447, 358.0515

■ 21.0033, 19.4720,
26.5816

■ 61.1316, 58.8969,
75.1181

■ 13.2389, 12.0118,
17.0296

■ 81.3372, 79.0013,
99.3188

■ 7.6714, 6.7517,
10.0934

■ 105.5664,
103.2278, 128.2281

■ 3.9354, 3.3073,
5.3545

134.1848,
131.9607, 162.2645

■ 1.6657, 1.2942,
2.3944

167.5575,
165.5844, 201.8465

■ 0.4346, 0.1367,
0.7834

206.0500,

■ 0.0000, 0.0000,

204.4834, 247.3926

0.0000

250.0275,
249.0420, 299.3214

■ 31.3300, 29.5166,
39.1680

■ 31.3300, 29.5166,
39.1680

■ 28.9434, 24.9590,
38.4145

■ 34.0773, 34.7933,
40.0422

■ 26.8992, 21.0855,
37.7746

■ 37.1973, 40.8148,
41.0400

■ 25.1813, 17.8634,
37.2432

■ 40.7048, 47.6101,
42.1667

■ 23.7716, 15.2564,
36.8143

■ 44.6130, 55.2055,
43.4268

■ 22.6499, 13.2243,
36.4812

■ 48.9345, 63.6262,
44.8244

■ 21.7938, 11.7221,
36.2364

■ 53.6812, 72.8962,
46.3635

■ 21.1776, 10.6984,
36.0713

■ 58.6076, 82.5243,
47.9623

■ 20.7702, 10.0913,
35.9755

■ 58.7598, 82.6027,
47.9694

■ 20.5806, 9.8356,
35.9362

■ 58.9128, 82.6816,
47.9766

Harmonies

Analogous

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



29.6702, 29.5166, 43.4675



31.3300, 29.5166, 39.1680



32.1163, 29.5166, 33.3252

Triad

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



31.3300, 29.5166, 39.1680



28.4660, 29.5166, 22.2579



24.6386, 29.5166, 36.8966

Complementary

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



31.3300, 29.5166, 39.1680



29.2395, 34.2256, 30.2658

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.



24.3507, 29.5166, 30.9804



31.3300, 29.5166, 39.1680



26.4988, 29.5166, 22.9719

Square

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



31.3300, 29.5166, 39.1680



30.4123, 29.5166, 23.9219



25.0159, 29.5166, 26.0049



25.8221, 29.5166, 42.0494

Rectangle

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



31.3300, 29.5166, 39.1680



32.0136, 29.5166, 29.5144



25.0159, 29.5166, 26.0049



24.4363, 29.5166, 34.9138

Sweetspot

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



31.3309, 29.5179, 39.1686



61.8272, 63.1011, 72.6734



27.3819, 27.7351, 39.0327



13.4329, 13.6339, 15.8611



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.



31.3309, 29.5179, 39.1686



55.3706, 50.7099, 70.6220



30.6393, 29.2650, 34.4540



7.3338, 7.1864, 8.9037



15.7906, 7.5468, 27.5542



0.3405, 0.1630, 0.5794

Inverse Universe

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



29.7182, 28.8965, 29.6038



51.8419, 49.3516, 49.6371



29.8754, 34.4602, 34.5053



7.0857, 7.0907, 7.4376



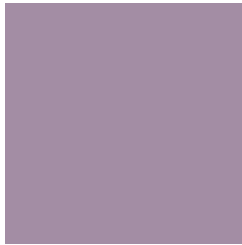
11.7734, 6.0654, 0.7317



0.2509, 0.1289, 0.0339

Previews

White Background



This preview shows how the XYZ color 31.3300, 29.5166, 39.1680 looks on a white background.

Color Contrast Check

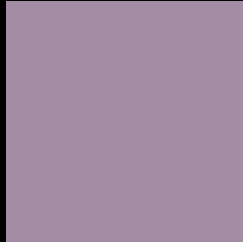
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3300, 29.5166, 39.1680 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 31.3300, 29.5166, 39.1680

Background



This preview shows how black text looks on a background with the XYZ color 31.3300, 29.5166, 39.1680.



This preview shows how white text looks on a background with the XYZ color 31.3300, 29.5166,

39.1680.

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

31.3300, 29.5166, 39.1680

Protanopia

29.1787, 29.7143, 41.2433

Deuteranopia

30.1017, 29.5594, 38.7693



Tritanopia

30.5555, 29.6594, 34.6862

Trichromacy



Original Color

31.3300, 29.5166, 39.1680

Protanomaly

30.0493, 29.7162, 40.7112

Deuteranomaly

30.5339, 29.5584, 38.7464

Tritanomaly

30.7448, 29.4960, 36.4206

Monochromacy



Original Color

31.3300, 29.5166, 39.1680

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.8677, 30.2026, 35.2658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3300, 29.5166, 39.1680 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(163, 141, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 141, 164)  
}
```

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(163, 141, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 141, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.3300, 29.5166, 39.1680 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(163, 141, 164) }
```


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

```
.border{ border-color:rgb(163, 141, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 141, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 141, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 141, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 141,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3300, 29.5166, 39.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 141, 164) }
```

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

```
.background{ background-color: rgb(163,  
141, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor