

Converting Colors

XYZ(31.9442, 25.1061, 60.5175)

Have a look what the booklet for
XYZ(31.9442, 25.1061, 60.5175)
contains.

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Color

**XYZ(31.9136, 25.1635,
60.3018)**

Conversions

Conversions Part 1

Format	Color
Hex	9F78CC
RGB	159, 120, 204
RGB Percent	62%, 47%, 80%
CMY	0.3765, 0.5294, 0.2000
CMYK	0.22, 0.41, 0.00, 0.20
HSL	268°, 45%, 64%
HSV	268°, 41%, 80%
XYZ	31.9136, 25.1635, 60.3018
YIQ	141.2370, -3.7200, 34.3920

Conversions

Conversions Part 2

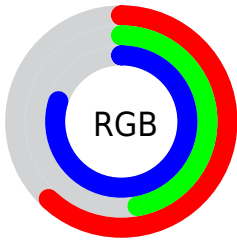
Format	Color
R _Y B	159, 120, 204
Decimal	10451148
CIE Lab	57.23, 31.86, -37.98
CIE LCh	57, 49.569, 309.992
Yxy	25.1635, 0.2719, 0.2144
Android (android.graphics.Color)	4288641228 (0xFF9F78CC)
YUV	141.2370, 30.9422, 15.5782
Hunter-Lab	50.1632, 25.7752, -36.1589

Details

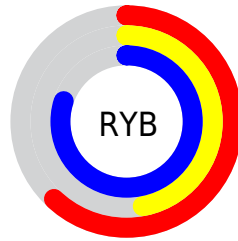
The XYZ color **31.9136, 25.1635, 60.3018** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.5008, 52.5418, 25.7773**, and the grayscale version is **25.2946, 26.6119, 28.9803**.

A 20% lighter version of the original color is **61.0179, 51.5542, 101.3427**, and **13.6219, 9.7406, 29.5959** is the 20% darker color. If you saturate the color by 10%, you get **27.6444, 19.7008, 59.4728**, and if you desaturate by 10%, it is **36.8989, 31.7722, 61.3151**.

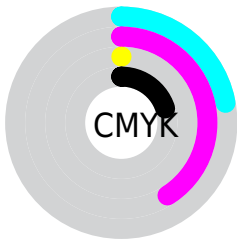
Distribution



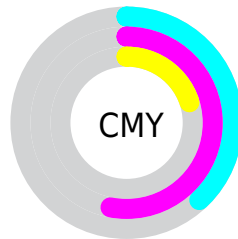
- Red (62%)
- Green (47%)
- Blue (80%)



- Red (62%)
- Yellow (47%)
- Blue (80%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (53%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9136, 25.1635, 60.3018 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 31.9136, 25.1635, 60.3018 by changing the saturation by 10% instead.

■ 31.9136, 25.1635,
60.3018

■ 31.9136, 25.1635,
60.3018

302.4778,
278.6512, 443.5448

■ 21.4507, 16.1989,
43.2351

■ 62.0417, 51.9223,
106.8150

■ 13.5682, 9.6650,
29.7368

■ 82.4377, 70.4854,
137.0985

■ 7.9007, 5.1774,
19.3886

■ 106.8754, 93.0167,
172.6247

■ 4.0827, 2.3517,
11.7717

135.7203,
119.9007, 213.8122

■ 1.7490, 0.8009,
6.4678

169.3376,
151.5217, 261.0793

■ 0.4867, 0.0000,
3.0582

208.0927,

■ 0.0000, 0.0000,

188.2642, 314.8448

1.1244

252.3510,
230.5126, 375.5271

■ 0.0000, 0.0000,
0.0000

■ 31.9136, 25.1635,
60.3018

■ 31.9136, 25.1635,
60.3018

■ 27.6444, 19.7008,
59.4728

■ 36.8989, 31.7722,
61.3151

■ 24.0501, 15.3116,
58.8151

■ 42.6328, 39.5875,
62.5214

■ 21.0891, 11.9195,
58.3164

■ 49.1490, 48.6690,
63.9308

■ 18.7134, 9.4362,
57.9623

■ 56.4782, 59.0716,
65.5525

■ 16.8662, 7.7570,
57.7355

■ 64.6495, 70.8469,
67.3946

■ 15.5889, 6.7773,
57.6137

■ 73.6901, 84.0436,
69.4654

■ 81.0862, 93.6275,
70.9254

■ 84.8165, 95.5505,
71.1000

■ 87.8992, 97.1397,
71.2443

Harmonies

Analogous

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



25.9258, 25.1635, 73.0474



31.9136, 25.1635, 60.3018



36.1432, 25.1635, 39.9891

Triad

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



31.9136, 25.1635, 60.3018



27.9832, 25.1635, 6.8876



14.4485, 25.1635, 33.3874

Complementary

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



31.9136, 25.1635, 60.3018



40.5008, 52.5418, 25.7773

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.



14.8154, 25.1635, 17.7745



31.9136, 25.1635, 60.3018



22.0151, 25.1635, 6.3229

Square

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



31.9136, 25.1635, 60.3018



33.6295, 25.1635, 11.4529



17.3822, 25.1635, 9.3669



16.2818, 25.1635, 53.8089

Rectangle

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



31.9136, 25.1635, 60.3018



37.0462, 25.1635, 27.4036



17.3822, 25.1635, 9.3669



14.3267, 25.1635, 27.3940

Sweetspot

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



31.9145, 25.1645, 60.3024



80.2774, 79.0290, 105.6308



32.3183, 35.6988, 62.3144



16.8644, 16.4690, 22.5399



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.9145, 25.1645, 60.3024



46.7937, 33.8979, 98.6844



41.3823, 30.0453, 60.7455



11.0885, 11.0950, 14.1275



9.9170, 4.3199, 36.2674



0.5989, 0.2678, 1.8751

Inverse Universe

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



38.4106, 28.9878, 39.1689



59.3059, 41.2692, 57.6558



33.3250, 48.8425, 25.4414



11.4593, 11.3125, 12.9535



17.4681, 8.7978, 10.1835



0.9393, 0.4691, 0.7260

Previews

White Background



This preview shows how the XYZ color 31.9136, 25.1635, 60.3018 looks on a white background.

Color Contrast Check

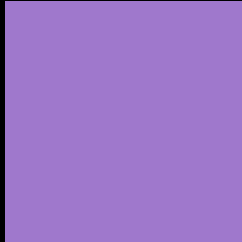
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9136, 25.1635, 60.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

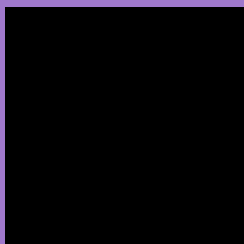
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9136, 25.1635, 60.3018

Background



This preview shows how black text looks on a background with the XYZ color 31.9136, 25.1635, 60.3018.



This preview shows how white text looks on a background with the XYZ color 31.9136, 25.1635,

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

31.9136, 25.1635, 60.3018

Protanopia

27.2518, 25.4635, 69.1243

Deuteranopia

26.0438, 25.4879, 58.8053



Tritanopia

25.6343, 25.0846, 29.8763

Trichromacy



Original Color

31.9136, 25.1635, 60.3018

Protanomaly

28.4705, 25.1543, 65.6421

Deuteranomaly

27.6791, 25.0861, 59.2604

Tritanomaly

27.5510, 24.8669, 39.4241

Monochromacy



Original Color

31.9136, 25.1635, 60.3018

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.3011, 25.7513, 38.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9136, 25.1635, 60.3018 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(159, 120, 204)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 204)  
}
```

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(159, 120, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.9136, 25.1635, 60.3018 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(159, 120, 204) }
```


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

```
.border{ border-color:rgb(159, 120, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 204);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9136, 25.1635, 60.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 204) }
```

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

```
.background{ background-color: rgb(159,  
120, 204) }
```

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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