

Converting Colors

XYZ(33.9136, 27.9893, 64.5878)

Have a look what the booklet for
XYZ(33.9136, 27.9893, 64.5878)
contains.

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Color

**XYZ(33.9136, 27.9893,
64.5878)**

Conversions

Conversions Part 1

Format	Color
Hex	9F82D2
RGB	159, 130, 210
RGB Percent	62%, 51%, 82%
CMY	0.3765, 0.4902, 0.1765
CMYK	0.24, 0.38, 0.00, 0.18
HSL	262°, 47%, 67%
HSV	262°, 38%, 82%
XYZ	33.9136, 27.9893, 64.5878
YIQ	147.7910, -8.3960, 31.0280

Conversions

Conversions Part 2

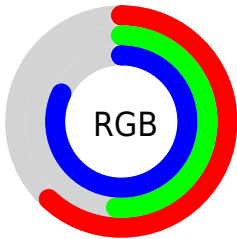
Format	Color
R _Y B	159, 130, 210
Decimal	10453714
CIE Lab	59.88, 27.57, -37.22
CIE LCh	60, 46.319, 306.529
Yxy	27.9893, 0.2681, 0.2213
Android (android.graphics.Color)	4288643794 (0xFF9F82D2)
YUV	147.7910, 30.6690, 9.8303
Hunter-Lab	52.9049, 21.8401, -35.3495

Details

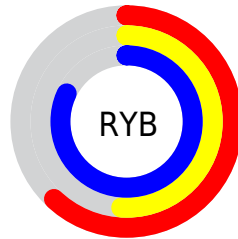
The XYZ color **33.9136, 27.9893, 64.5878** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **46.1324, 57.5292, 29.7929**, and the grayscale version is **27.9410, 29.3961, 32.0124**.

A 20% lighter version of the original color is **63.0078, 55.5340, 102.0060**, and **14.7289, 11.1681, 32.3897** is the 20% darker color. If you saturate the color by 10%, you get **28.8877, 21.6669, 63.6328**, and if you desaturate by 10%, it is **39.7991, 35.6022, 65.7475**.

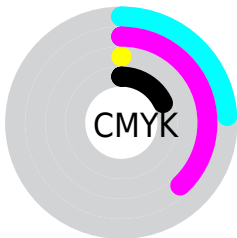
Distribution



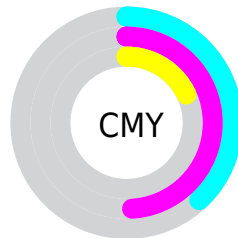
- Red (62%)
- Green (51%)
- Blue (82%)



- Red (62%)
- Yellow (51%)
- Blue (82%)



- Cyan (24%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9136, 27.9893, 64.5878 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 33.9136, 27.9893, 64.5878 by changing the saturation by 10% instead.

■ 33.9136, 27.9893,
64.5878

■ 33.9136, 27.9893,
64.5878

311.3393,
292.4158, 459.5748

■ 22.9898, 18.3176,
46.6777

■ 65.1445, 56.4674,
113.0646

■ 14.7066, 11.1782,
32.4284

■ 86.1823, 76.0425,
144.4684

■ 8.6987, 6.1869,
21.4214

■ 111.3221, 99.6876,
181.2072

■ 4.6007, 2.9590,
13.2382

140.9293,
127.7870, 223.6995

■ 2.0473, 1.1104,
7.4601

175.3693,
160.7251, 272.3639

■ 0.6603, 0.0000,
3.6687

215.0074,

■ 0.0000, 0.0000,

198.8864, 327.6189

1.4454

260.2089,
242.6551, 389.8830

■ 0.0000, 0.0000,
0.1768

■ 0.0000, 0.0000,
0.0000

■ 33.9136, 27.9893,
64.5878

■ 33.9136, 27.9893,
64.5878

■ 28.8877, 21.6669,
63.6328

■ 39.7991, 35.6022,
65.7475

■ 24.6743, 16.5570,
62.8686

■ 46.5817, 44.5706,
67.1211

■ 21.2262, 12.5785,
62.2824

■ 54.3005, 54.9591,
68.7195

■ 18.4892, 9.6382,
61.8591

■ 62.9911, 66.8271,
70.5522

■ 16.4009, 7.6273,
61.5810

■ 72.6873, 80.2306,
72.6283

■ 14.8742, 6.3886,
61.4224

■ 83.1000, 94.5808,
74.8493

■ 14.6236, 6.1949,
61.3982

■ 87.7970, 97.0022,
75.0692

■ 88.6329, 97.4332,
75.1083

Harmonies

Analogous

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



27.9090, 27.9893, 75.2735



33.9136, 27.9893, 64.5878



38.3753, 27.9893, 45.2712

Triad

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



33.9136, 27.9893, 64.5878



31.3632, 27.9893, 9.3829



16.8797, 27.9893, 34.3064

Complementary

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



33.9136, 27.9893, 64.5878



46.1324, 57.5292, 29.7929

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.



17.5241, 27.9893, 19.3159



33.9136, 27.9893, 64.5878



25.3384, 27.9893, 8.3019

Square

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



33.9136, 27.9893, 64.5878



36.7579, 27.9893, 14.9835



20.4266, 27.9893, 11.1632



18.5152, 27.9893, 54.0884

Rectangle

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



33.9136, 27.9893, 64.5878



39.5546, 27.9893, 32.4776



20.4266, 27.9893, 11.1632



16.8409, 27.9893, 28.5576

Sweetspot

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



33.9146, 27.9904, 64.5884



80.4700, 80.1557, 105.8381



37.5675, 42.8557, 67.2652



16.8669, 16.6752, 22.5796



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.



33.9146, 27.9904, 64.5884



45.9697, 35.0410, 98.9485



42.9049, 32.6251, 65.0092



11.5625, 11.6233, 14.8778



9.0210, 3.8308, 37.4564



0.5904, 0.2585, 2.0983

Inverse Universe

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



42.9021, 33.0040, 47.8256



62.2295, 44.1286, 67.8415



38.2320, 53.4563, 29.4231



12.1213, 11.9333, 13.9148



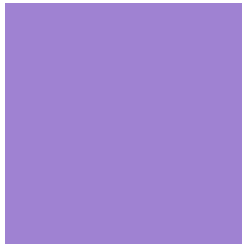
18.8815, 9.4254, 14.8140



1.0931, 0.5419, 1.0248

Previews

White Background



This preview shows how the XYZ color 33.9136, 27.9893, 64.5878 looks on a white background.

Color Contrast Check

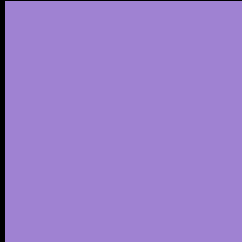
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9136, 27.9893, 64.5878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

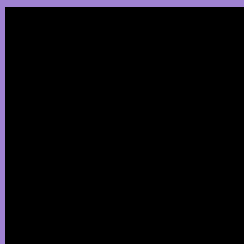
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9136, 27.9893, 64.5878

Background



This preview shows how black text looks on a background with the XYZ color 33.9136, 27.9893, 64.5878.



This preview shows how white text looks on a background with the XYZ color 33.9136, 27.9893,

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

33.9136, 27.9893, 64.5878

Protanopia

29.9274, 28.2952, 71.5943

Deuteranopia

28.8307, 28.1430, 62.9441



Tritanopia

27.8172, 28.0355, 34.0823

Trichromacy



Original Color

33.9136, 27.9893, 64.5878

Protanomaly

30.9989, 28.0404, 68.7443

Deuteranomaly

30.3052, 27.7994, 63.4431

Tritanomaly

29.8653, 28.0053, 43.8759

Monochromacy



Original Color

33.9136, 27.9893, 64.5878

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.8245, 28.6654, 42.4891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9136, 27.9893, 64.5878 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, 130, 210)` looks like.

```
.text, #text, p{  
    color:rgb(159, 130, 210)  
}
```

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, 130, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 130, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.9136, 27.9893, 64.5878 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, 130, 210) }
```


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

```
.border{ border-color:rgb(159, 130, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 130, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 130, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 130, 210);  
box-shadow:4px 4px 4px 4px rgb(159, 130,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9136, 27.9893, 64.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 130, 210) }
```

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

```
.background{ background-color: rgb(159,  
130, 210) }
```

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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