

Converting Colors

XYZ(38.8687, 29.4255,
112.5532)

Have a look what the booklet for
XYZ(38.8687, 29.4255, 112.5532)
contains.

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Color

**XYZ(36.1860, 28.4195,
98.1860)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8882FF |
| RGB | 136, 130, 255 |
| RGB Percent | 53%, 51%, 100% |
| CMY | 0.4666, 0.4902, 0.0000 |
| CMYK | 0.47, 0.49, 0.00, 0.00 |
| HSL | 243°, 100%, 75% |
| HSV | 243°, 49%, 100% |
| XYZ | 36.1860, 28.4195, 98.1860 |
| YIQ | 146.0440, -36.5490, 40.1470 |

Conversions

Conversions Part 2

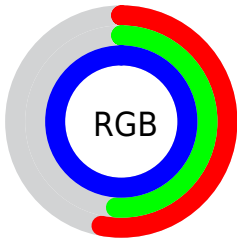
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 136, 130, 255 |
| Decimal | 8946431 |
| CIE _{Lab} | 60.27, 33.65, -61.73 |
| CIE _{LCh} | 60, 70.308, 298.598 |
| Yxy | 28.4195, 0.2223, 0.1746 |
| Android (android.graphics.Color) | 4287136511 (0xFF8882FF) |
| YUV | 146.0440, 53.7153, -8.8086 |
| Hunter-Lab | 53.3099, 27.8708, -71.8831 |

Details

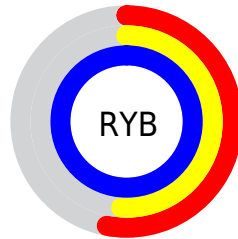
The XYZ color **36.1860, 28.4195, 98.1860** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.8549, 93.2707, 34.9666**, and the grayscale version is **27.1383, 28.5516, 31.0927**.

A 20% lighter version of the original color is **57.4892, 52.6891, 101.7477**, and **16.0010, 11.4526, 54.1905** is the 20% darker color. If you saturate the color by 10%, you get **29.6988, 20.6490, 97.0281**, and if you desaturate by 10%, it is **44.4084, 38.3326, 99.6661**.

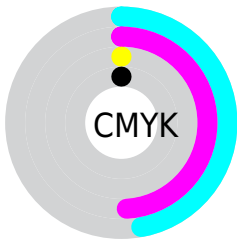
Distribution



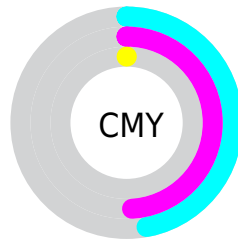
- Red (53%)
- Green (51%)
- Blue (100%)



- Red (53%)
- Yellow (51%)
- Blue (100%)



- Cyan (47%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1860, 28.4195, 98.1860 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 36.1860, 28.4195, 98.1860 by changing the saturation by 10% instead.

■ 36.1860, 28.4195,
98.1860

■ 36.1860, 28.4195,
98.1860

321.1899,
294.4660, 575.5579

■ 24.7487, 18.6421,
74.1780

■ 68.6410, 57.1535,
160.6922

■ 16.0176, 11.4120,
54.4421

■ 90.3895, 76.8789,
200.0274

■ 9.6276, 6.3447,
38.5596

■ 116.3056,
100.6891, 245.3089

■ 5.2131, 3.0558,
26.1121

146.7549,
128.9685, 296.9551

■ 2.4089, 1.1609,
16.6810

182.1026,
162.1015, 355.3846

■ 0.8495, 0.0294,
9.8478

222.7140,

■ 0.0000, 0.0000,

200.4725, 421.0158

5.1939

268.9547,
244.4659, 494.2674

■ 0.0000, 0.0000,
2.3007

■ 0.0000, 0.0000,
0.7316

■ 36.1860, 28.4195,
98.1860

■ 36.1860, 28.4195,
98.1860

■ 29.6988, 20.6490,
97.0281

■ 44.4084, 38.3326,
99.6661

■ 24.8192, 14.8604,
96.1680

■ 54.4748, 50.5276,
101.4894

■ 21.4075, 10.8749,
95.5785

■ 66.4890, 65.1352,
103.6757

■ 19.2984, 8.4801,
95.2274

■ 80.5461, 82.2757,
106.2433

■ 18.2682, 7.3728,
95.0680

95.0500, 100.0000,
108.9000

■ 18.2051, 7.3000,
95.0573

Harmonies

Analogous

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



26.5899, 28.4195, 111.8157



36.1860, 28.4195, 98.1860



44.6697, 28.4195, 64.6812

Triad

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



36.1860, 28.4195, 98.1860



37.0862, 28.4195, 4.9714



13.1260, 28.4195, 29.7451

Complementary

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



36.1860, 28.4195, 98.1860



78.8549, 93.2707, 34.9666

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.



14.7550, 28.4195, 11.6174



36.1860, 28.4195, 98.1860



27.4383, 28.4195, 3.1207

Square

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



36.1860, 28.4195, 98.1860



45.2655, 28.4195, 12.7472



19.5363, 28.4195, 4.6210



14.4734, 28.4195, 61.3021

Rectangle

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



36.1860, 28.4195, 98.1860



47.8123, 28.4195, 41.8309



19.5363, 28.4195, 4.6210



13.3354, 28.4195, 22.1317

Sweetspot

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



36.1871, 28.4204, 98.1862



71.8878, 71.7130, 104.6608



61.7013, 80.8563, 106.9626



14.7719, 14.6000, 22.2895



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.



36.1871, 28.4204, 98.1862



29.7095, 20.6618, 97.0300



48.9718, 35.0112, 98.7845



17.0837, 17.4194, 22.7118



9.5465, 3.8319, 49.6711



0.9566, 0.3871, 4.8376

Inverse Universe

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



66.3211, 44.0650, 94.6291



63.1540, 38.0350, 92.6357



60.6108, 83.8656, 34.1128



18.7528, 18.2844, 22.5811



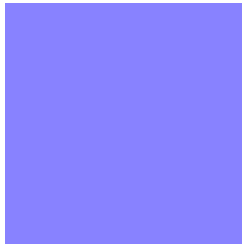
29.9989, 14.4888, 45.5060



2.9320, 1.4152, 4.4896

Previews

White Background



This preview shows how the XYZ color 36.1860, 28.4195, 98.1860 looks on a white background.

Color Contrast Check

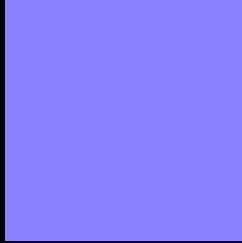
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1860, 28.4195, 98.1860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

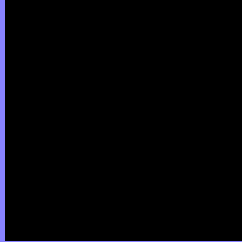
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1860, 28.4195, 98.1860

Background



This preview shows how black text looks on a background with the XYZ color 36.1860, 28.4195, 98.1860.



This preview shows how white text looks on a background with the XYZ color 36.1860, 28.4195,

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

36.1860, 28.4195, 98.1860

Protanopia

31.9885, 28.5451, 98.4315

Deuteranopia

29.7098, 28.7931, 95.2585



Tritanopia

24.4846, 28.5163, 39.3357

Trichromacy



Original Color

36.1860, 28.4195, 98.1860

Protanomaly

33.1800, 28.2995, 98.3213

Deuteranomaly

31.1201, 28.1527, 95.8893

Tritanomaly

27.7970, 27.9708, 56.7572

Monochromacy



Original Color

36.1860, 28.4195, 98.1860

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.3963, 28.0521, 50.3196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1860, 28.4195, 98.1860 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(136, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 130, 255)  
}
```

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(136, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.1860, 28.4195, 98.1860 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(136, 130, 255) }
```


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

```
.border{ border-color:rgb(136, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1860, 28.4195, 98.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 130, 255) }
```

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

```
.background{ background-color: rgb(136,  
130, 255) }
```

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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