

Converting Colors

XYZ(38.2859, 30.9885,
107.5618)

Have a look what the booklet for
XYZ(38.2859, 30.9885, 107.5618)
contains.

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Color

**XYZ(36.4986, 30.2223,
98.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	838AFF
RGB	131, 138, 255
RGB Percent	51%, 54%, 100%
CMY	0.4863, 0.4588, 0.0000
CMYK	0.49, 0.46, 0.00, 0.00
HSL	237°, 100%, 76%
HSV	237°, 49%, 100%
XYZ	36.4986, 30.2223, 98.5175
YIQ	149.2450, -41.7290, 34.9030

Conversions

Conversions Part 2

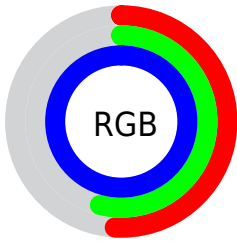
Format	Color
RYB	131, 138, 255
Decimal	8620799
CIELab	61.85, 27.88, -59.22
CIELCh	62, 65.460, 295.213
Yxy	30.2223, 0.2209, 0.1829
Android (android.graphics.Color)	4286810879 (0xFF838AFF)
YUV	149.2450, 52.1372, -16.0009
Hunter-Lab	54.9748, 22.3029, -67.7682

Details

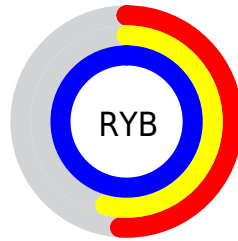
The XYZ color **36.4986, 30.2223, 98.5175** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.9058, 90.0361, 34.6948**, and the grayscale version is **28.4713, 29.9540, 32.6199**.

A 20% lighter version of the original color is **57.9160, 55.4288, 102.2541**, and **16.2086, 12.3588, 54.9573** is the 20% darker color. If you saturate the color by 10%, you get **29.9459, 22.2752, 97.3290**, and if you desaturate by 10%, it is **44.7899, 40.2014, 100.0067**.

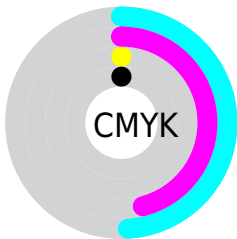
Distribution



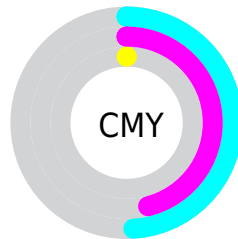
- Red (51%)
- Green (54%)
- Blue (100%)



- Red (51%)
- Yellow (54%)
- Blue (100%)



- Cyan (49%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4986, 30.2223, 98.5175 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 36.4986, 30.2223, 98.5175 by changing the saturation by 10% instead.

■ 36.4986, 30.2223,
98.5175

■ 36.4986, 30.2223,
98.5175

322.5280,
302.9393, 576.6351

■ 24.9914, 20.0074,
74.4530

■ 69.1198, 60.0136,
161.1525

■ 16.1994, 12.4004,
54.6659

■ 90.9645, 80.3587,
200.5600

■ 9.7571, 7.0170,
38.7375

■ 116.9858,
104.8493, 245.9191

■ 5.2992, 3.4727,
26.2493

147.5490,
133.8699, 297.6481

■ 2.4604, 1.3832,
16.7828

183.0195,
167.8048, 356.1657

■ 0.8753, 0.2043,
9.9194

223.7625,

■ 0.0000, 0.0000,

207.0384, 421.8904

5.2407

270.1436,
251.9551, 495.2407

■ 0.0000, 0.0000,
2.3280

■ 0.0000, 0.0000,
0.7468

■ 36.4986, 30.2223,
98.5175

■ 36.4986, 30.2223,
98.5175

■ 29.9459, 22.2752,
97.3290

■ 44.7899, 40.2014,
100.0067

■ 25.0048, 16.2177,
96.4202

■ 54.9279, 52.3361,
101.8146

■ 21.5362, 11.8936,
95.7683

■ 67.0162, 66.7433,
103.9584

■ 19.3762, 9.1200,
95.3468

■ 81.1494, 83.5310,
106.4538

■ 18.3053, 7.6654,
95.1225

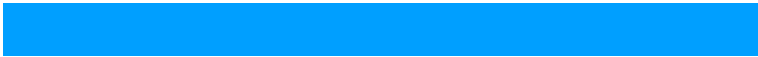
95.0500, 100.0000,
108.9000

■ 18.2123, 7.5446,
95.1041

Harmonies

Analogous

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



27.3450, 30.2223, 107.9848



36.4986, 30.2223, 98.5175



44.8631, 30.2223, 68.7300

Triad

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



36.4986, 30.2223, 98.5175



39.4244, 30.2223, 7.0882



15.0180, 30.2223, 29.0499

Complementary

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



36.4986, 30.2223, 98.5175



78.9058, 90.0361, 34.6948

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.



17.0122, 30.2223, 12.3716



36.4986, 30.2223, 98.5175



30.1515, 30.2223, 4.4681

Square

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



36.4986, 30.2223, 98.5175



46.7784, 30.2223, 16.3628



22.1425, 30.2223, 5.7401



16.0417, 30.2223, 57.9734

Rectangle

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



36.4986, 30.2223, 98.5175



48.2396, 30.2223, 46.7892



22.1425, 30.2223, 5.7401



15.3436, 30.2223, 22.0842

Sweetspot

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



36.4997, 30.2233, 98.5177



71.8986, 72.5485, 104.8215



61.8684, 83.0447, 100.5488



14.7745, 14.7976, 22.3275



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.



36.4997, 30.2233, 98.5177



30.3070, 22.7152, 97.3949



46.1112, 33.7358, 98.6891



17.0852, 17.5421, 22.7354



9.5488, 4.0072, 49.7048



0.9574, 0.4454, 4.8488

Inverse Universe

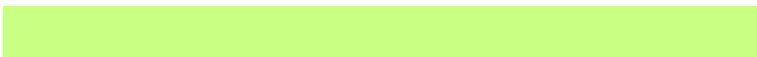
The Inverse Universe completely reimagines the original color for something new.



53.9447, 39.3292, 28.7936



49.6283, 33.0443, 20.1167



64.0170, 85.6137, 34.6259



18.0509, 18.0037, 18.8853



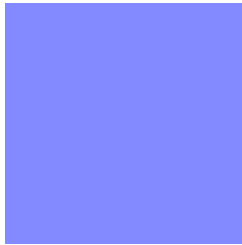
21.6080, 11.1325, 1.3202



2.1178, 1.0895, 0.2020

Previews

White Background



This preview shows how the XYZ color 36.4986, 30.2223, 98.5175 looks on a white background.

Color Contrast Check

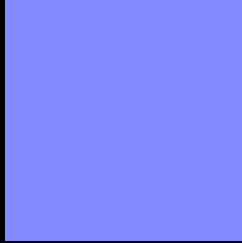
Large Text (above 18pt) WCAG AA × Fail

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 36.4986, 30.2223, 98.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

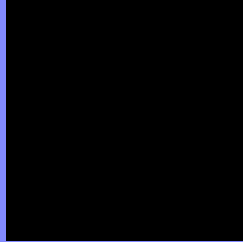
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4986, 30.2223, 98.5175

Background



This preview shows how black text looks on a background with the XYZ color 36.4986, 30.2223, 98.5175.



This preview shows how white text looks on a background with the XYZ color 36.4986, 30.2223,

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

36.4986, 30.2223, 98.5175

Protanopia

33.5422, 30.2375, 98.6763

Deuteranopia

31.3787, 30.3368, 96.2972



Tritanopia

25.2565, 30.0804, 42.5051

Trichromacy



Original Color

36.4986, 30.2223, 98.5175

Protanomaly

34.4051, 30.0107, 98.5871

Deuteranomaly

32.7278, 30.0825, 97.0101

Tritanomaly

28.5192, 29.6746, 59.4830

Monochromacy



Original Color

36.4986, 30.2223, 98.5175

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.3578, 29.6324, 51.6966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4986, 30.2223, 98.5175 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(131, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 138, 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(131, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4986, 30.2223, 98.5175 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(131, 138, 255) }
```


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

```
.border{ border-color:rgb(131, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4986, 30.2223, 98.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 138, 255) }
```

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

```
.background{ background-color: rgb(131,  
138, 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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