

Converting Colors

XYZ(36.4224, 29.1435, 98.2606)

Have a look what the booklet for
XYZ(36.4224, 29.1435, 98.2606)
contains.

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Color

**XYZ(36.4292, 29.1460,
98.3134)**

Conversions

Conversions Part 1

Format	Color
Hex	8785FF
RGB	135, 133, 255
RGB Percent	53%, 52%, 100%
CMY	0.4706, 0.4784, 0.0000
CMYK	0.47, 0.48, 0.00, 0.00
HSL	241°, 100%, 76%
HSV	241°, 48%, 100%
XYZ	36.4292, 29.1460, 98.3134
YIQ	147.5060, -37.9700, 38.3660

Conversions

Conversions Part 2

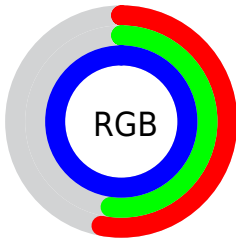
Format	Color
RYB	135, 133, 255
Decimal	8881663
CIELab	60.91, 31.69, -60.70
CIElCh	61, 68.475, 297.564
Yxy	29.1460, 0.2223, 0.1778
Android (android.graphics.Color)	4287071743 (0xFF8785FF)
YUV	147.5060, 52.9945, -10.9678
Hunter-Lab	53.9870, 25.9703, -70.1795

Details

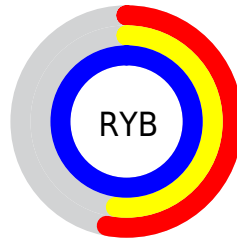
The XYZ color **36.4292, 29.1460, 98.3134** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.5006, 94.0955, 36.1104**, and the grayscale version is **27.7422, 29.1870, 31.7846**.

A 20% lighter version of the original color is **57.8570, 53.8071, 101.9442**, and **16.0730, 11.7136, 54.2371** is the 20% darker color. If you saturate the color by 10%, you get **29.7811, 21.1505, 97.1206**, and if you desaturate by 10%, it is **44.8772, 39.3278, 99.8335**.

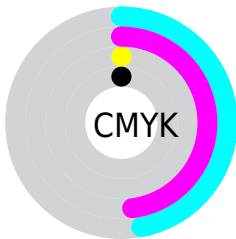
Distribution



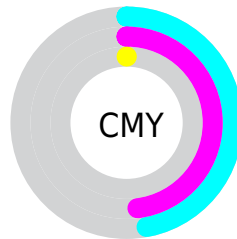
- Red (53%)
- Green (52%)
- Blue (100%)



- Red (53%)
- Yellow (52%)
- Blue (100%)



- Cyan (47%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4292, 29.1460, 98.3134 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 36.4292, 29.1460, 98.3134 by changing the saturation by 10% instead.


 36.4292, 29.1460,
98.3134


 36.4292, 29.1460,
98.3134


322.2312,
297.9032, 575.9720

 24.9375, 19.1913,
74.2837


 69.0136, 58.3090,
160.8691

 16.1590, 11.8086,
54.5281


 90.8369, 78.2860,
200.2322

 9.7283, 6.6135,
38.6280


 116.8349,
102.3727, 245.5435

 5.2801, 3.2216,
26.1648

147.3728,
130.9533, 297.2215

 2.4489, 1.2485,
16.7201

182.8161,
164.4122, 355.6848

 0.8696, 0.1008,
9.8753

223.5300,

 0.0000, 0.0000,

203.1339, 421.3520

5.2118

269.8799,
247.5028, 494.6416

■ 0.0000, 0.0000,
2.3112

■ 0.0000, 0.0000,
0.7375

■ 36.4292, 29.1460,
98.3134

■ 36.4292, 29.1460,
98.3134

■ 29.7811, 21.1505,
97.1206

■ 44.8772, 39.3278,
99.8335

■ 24.7995, 15.1788,
96.2305

■ 55.2390, 51.8370,
101.7019

■ 21.3377, 11.0505,
95.6161

■ 67.6232, 66.8059,
103.9384

■ 19.2224, 8.5518,
95.2453

■ 82.1290, 84.3563,
106.5615

■ 18.2299, 7.4014,
95.0755

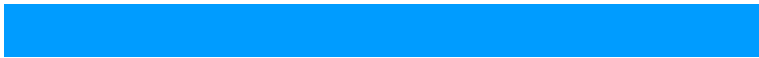
95.0500, 100.0000,
108.9000

■ 18.1024, 7.2470,
95.0525

Harmonies

Analogous

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



26.9790, 29.1460, 110.5527



36.4292, 29.1460, 98.3134



44.8630, 29.1460, 66.0820

Triad

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



36.4292, 29.1460, 98.3134



37.9675, 29.1460, 5.6987



13.8476, 29.1460, 29.6906

Complementary

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



36.4292, 29.1460, 98.3134



80.5006, 94.0955, 36.1104

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.



15.5932, 29.1460, 11.9951



36.4292, 29.1460, 98.3134



28.4386, 29.1460, 3.5999

Square

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



36.4292, 29.1460, 98.3134



45.8769, 29.1460, 13.9887



20.4941, 29.1460, 5.0591



15.1010, 29.1460, 60.3532

Rectangle

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



36.4292, 29.1460, 98.3134



48.0745, 29.1460, 43.5436



20.4941, 29.1460, 5.0591



14.0929, 29.1460, 22.2813

Sweetspot

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



36.4303, 29.1469, 98.3136



72.9406, 73.2376, 104.8996



63.4832, 83.7267, 107.4227



14.9648, 14.8927, 22.3358



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.



36.4303, 29.1469, 98.3136



30.2750, 21.7436, 97.2090



48.6862, 35.4651, 98.8871



17.0306, 17.3920, 22.7093



9.4708, 3.7929, 49.6675



0.9314, 0.3741, 4.8364

Inverse Universe

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



67.3569, 45.1272, 98.0861



64.4463, 39.4037, 96.8148



62.2422, 84.6830, 35.2560



18.7791, 18.2949, 22.7196



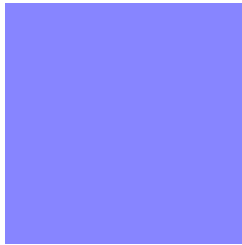
30.6377, 14.7444, 48.8701



2.9871, 1.4372, 4.7792

Previews

White Background



This preview shows how the XYZ color 36.4292, 29.1460, 98.3134 looks on a white background.

Color Contrast Check

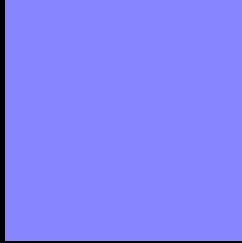
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4292, 29.1460, 98.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

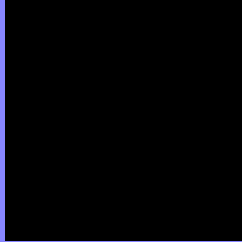
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4292, 29.1460, 98.3134

Background



This preview shows how black text looks on a background with the XYZ color 36.4292, 29.1460, 98.3134.



This preview shows how white text looks on a background with the XYZ color 36.4292, 29.1460,

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

36.4292, 29.1460, 98.3134

Protanopia

32.6963, 29.3517, 98.5499

Deuteranopia

30.4753, 29.4014, 96.1643



Tritanopia

24.8689, 29.1794, 40.3978

Trichromacy



Original Color

36.4292, 29.1460, 98.3134

Protanomaly

33.7130, 29.0002, 98.4285

Deuteranomaly

31.9657, 29.0121, 96.8436

Tritanomaly

28.0797, 28.5569, 57.4582

Monochromacy



Original Color

36.4292, 29.1460, 98.3134

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.1198, 29.0724, 51.0378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4292, 29.1460, 98.3134 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(135, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 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(135, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4292, 29.1460, 98.3134 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(135, 133, 255) }
```


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

```
.border{ border-color:rgb(135, 133, 255) }
```

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

Here you see how a box with a 4 pixel rgb(135, 133, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4292, 29.1460, 98.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 255) }
```

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

```
.background{ background-color: rgb(135,  
133, 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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