

Converting Colors

XYZ(36.0020, 28.8446, 98.2778)

Have a look what the booklet for
XYZ(36.0020, 28.8446, 98.2778)
contains.

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Color

**XYZ(36.1104, 28.9816,
98.2985)**

Conversions

Conversions Part 1

Format	Color
Hex	8585FF
RGB	133, 133, 255
RGB Percent	52%, 52%, 100%
CMY	0.4784, 0.4784, 0.0000
CMYK	0.48, 0.48, 0.00, 0.00
HSL	240°, 100%, 76%
HSV	240°, 48%, 100%
XYZ	36.1104, 28.9816, 98.2985
YIQ	146.9080, -39.1620, 37.9420

Conversions

Conversions Part 2

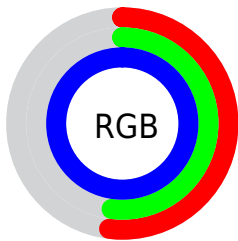
Format	Color
R_{YB}	133, 133, 255
Decimal	8750591
CIE _{Lab}	60.77, 31.25, -60.94
CIE _{LCh}	61, 68.487, 297.146
Yxy	28.9816, 0.2210, 0.1774
Android (android.graphics.Color)	4286940671 (0xFF8585FF)
YUV	146.9080, 53.2894, -12.1973
Hunter-Lab	53.8346, 25.5213, -70.5756

Details

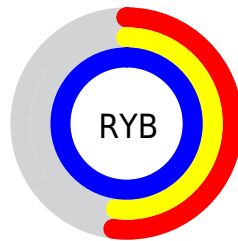
The XYZ color **36.1104, 28.9816, 98.2985** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.2323, 94.4728, 36.1446**, and the grayscale version is **27.4948, 28.9266, 31.5011**.

A 20% lighter version of the original color is **57.3471, 53.5443, 101.9203**, and **15.9209, 11.7496, 54.2521** is the 20% darker color. If you saturate the color by 10%, you get **29.4846, 20.9976, 97.1067**, and if you desaturate by 10%, it is **44.5627, 39.1656, 99.8188**.

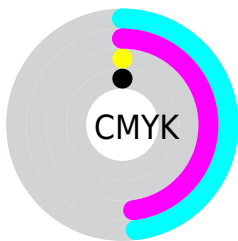
Distribution



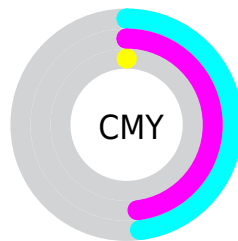
- Red (52%)
- Green (52%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1104, 28.9816, 98.2985 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 36.1104, 28.9816, 98.2985 by changing the saturation by 10% instead.


 36.1104, 28.9816,
98.2985


 36.1104, 28.9816,
98.2985


320.8657,
297.1281, 575.9236


 24.6900, 19.0669,
74.2714


 68.5252, 58.0479,
160.8484

 15.9737, 11.7186,
54.5180


 90.2503, 77.9682,
200.2082

 9.5963, 6.5524,
38.6200


 116.1409,
101.9925, 245.5160

 5.1923, 3.1838,
26.1587

146.5626,
130.5053, 297.1903

 2.3965, 1.2284,
16.7156

181.8805,
163.8908, 355.6497

 0.8433, 0.0847,
9.8721

222.4601,

 0.0000, 0.0000,

202.5335, 421.3127

5.2097

268.6667,
246.8179, 494.5978

■ 0.0000, 0.0000,
2.3100

■ 0.0000, 0.0000,
0.7368

■ 36.1104, 28.9816,
98.2985

■ 36.1104, 28.9816,
98.2985

■ 29.4846, 20.9976,
97.1067

■ 44.5627, 39.1656,
99.8188

■ 24.5477, 15.0490,
96.2187

■ 54.9590, 51.6925,
101.6887

■ 21.1480, 10.9527,
95.6072

■ 67.4108, 66.6963,
103.9285

■ 19.1054, 8.4915,
95.2398

■ 82.0205, 84.3002,
106.5564

■ 18.1787, 7.3750,
95.0731

95.0500, 100.0000,
108.9000

■ 18.0501, 7.2201,
95.0500

Harmonies

Analogous

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



26.7032, 28.9816, 110.1227



36.1104, 28.9816, 98.2985



44.5581, 28.9816, 66.2896

Triad

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



36.1104, 28.9816, 98.2985



37.9064, 28.9816, 5.7009



13.7510, 28.9816, 29.1791

Complementary

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



36.1104, 28.9816, 98.2985



81.2323, 94.4728, 36.1446

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.



15.5309, 28.9816, 11.7429



36.1104, 28.9816, 98.2985



28.4067, 28.9816, 3.5599

Square

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



36.1104, 28.9816, 98.2985



45.7421, 28.9816, 14.0672



20.4559, 28.9816, 4.9564



14.9569, 28.9816, 59.5983

Rectangle

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



36.1104, 28.9816, 98.2985



47.8135, 28.9816, 43.7568



20.4559, 28.9816, 4.9564



14.0090, 28.9816, 21.8644

Sweetspot

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



36.1115, 28.9825, 98.2986



72.7640, 73.1465, 104.8914



63.4831, 83.7267, 107.4227



14.9226, 14.8709, 22.3338



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.



36.1115, 28.9825, 98.2986



29.9758, 21.5894, 97.1950



48.6861, 35.4650, 98.8871



17.0032, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

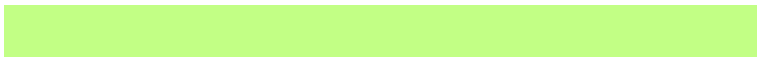
The Inverse Universe completely reimagines the original color for something new.



67.6771, 45.2553, 99.7726



64.8275, 39.5562, 98.8221



62.2421, 84.6829, 35.2559



18.7927, 18.3004, 22.7917



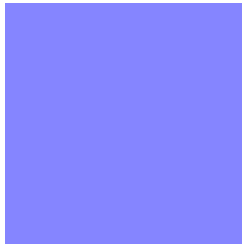
30.9796, 14.8811, 50.6706



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 36.1104, 28.9816, 98.2985 looks on a white background.

Color Contrast Check

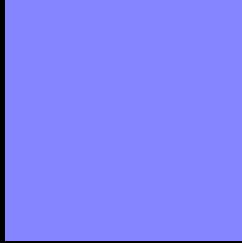
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1104, 28.9816, 98.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

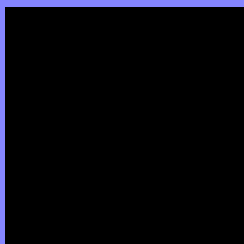
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1104, 28.9816, 98.2985

Background



This preview shows how black text looks on a background with the XYZ color 36.1104, 28.9816, 98.2985.



This preview shows how white text looks on a background with the XYZ color 36.1104, 28.9816,

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

36.1104, 28.9816, 98.2985

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.3406, 29.3319, 96.1580



Tritanopia

24.5019, 28.9902, 40.3807

Trichromacy



Original Color

36.1104, 28.9816, 98.2985

Protanomaly

33.5893, 28.9364, 98.4227

Deuteranomaly

31.7685, 28.9104, 96.8344

Tritanomaly

27.6744, 28.3480, 57.4392

Monochromacy



Original Color

36.1104, 28.9816, 98.2985

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.6913, 28.6420, 50.4179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1104, 28.9816, 98.2985 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(133, 133, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 36.1104, 28.9816, 98.2985 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(133, 133, 255) }
```


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

```
.border{ border-color:rgb(133, 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(133, 133, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 36.1104, 28.9816, 98.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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