

Converting Colors

XYZ(36.1649, 28.1233, 86.2029)

Have a look what the booklet for
XYZ(36.1649, 28.1233, 86.2029)
contains.

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Color

**XYZ(36.0800, 28.0493,
85.9505)**

Conversions

Conversions Part 1

Format	Color
Hex	977FF0
RGB	151, 127, 240
RGB Percent	59%, 50%, 94%
CMY	0.4078, 0.5020, 0.0588
CMYK	0.37, 0.47, 0.00, 0.06
HSL	253°, 79%, 72%
HSV	253°, 47%, 94%
XYZ	36.0800, 28.0493, 85.9505
YIQ	147.0580, -21.9690, 40.2310

Conversions

Conversions Part 2

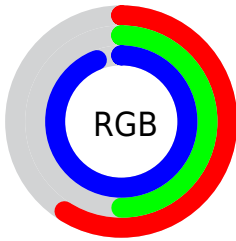
Format	Color
R_{YB}	151, 127, 240
Decimal	9928688
CIE _{Lab}	59.93, 34.73, -53.92
CIE _{LCh}	60, 64.138, 302.788
Yxy	28.0493, 0.2404, 0.1869
Android (android.graphics.Color)	4288118768 (0xFF977FF0)
YUV	147.0580, 45.8204, 3.4571
Hunter-Lab	52.9616, 28.9201, -59.1477

Details

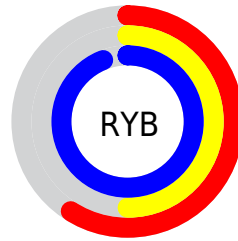
The XYZ color **36.0800, 28.0493, 85.9505** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.3099, 78.4518, 31.8854**, and the grayscale version is **27.5812, 29.0175, 31.6001**.

A 20% lighter version of the original color is **60.3837, 53.2724, 101.7078**, and **15.9204, 11.1595, 46.1147** is the 20% darker color. If you saturate the color by 10%, you get **30.1103, 20.9060, 84.8869**, and if you desaturate by 10%, it is **43.3525, 36.9609, 87.2878**.

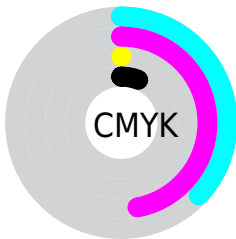
Distribution



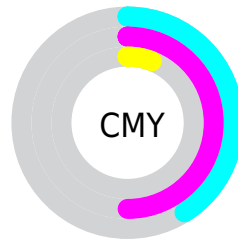
- Red (59%)
- Green (50%)
- Blue (94%)



- Red (59%)
- Yellow (50%)
- Blue (94%)



- Cyan (37%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)



- Cyan (41%)
- Magenta (50%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0800, 28.0493, 85.9505 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 36.0800, 28.0493, 85.9505 by changing the saturation by 10% instead.

36.0800, 28.0493,
85.9505

36.0800, 28.0493,
85.9505

320.7352,
292.7024, 534.9944

24.6664, 18.3628,
64.0724

68.4786, 56.5631,
143.5863

15.9561, 11.2108,
46.2627

90.1943, 76.1593,
180.1811

9.5837, 6.2088,
32.1030

116.0747, 99.8275,
222.5186

5.1840, 2.9725,
21.1747

146.4852,
127.9521, 271.0172

2.3915, 1.1174,
13.0593

181.7911,
160.9175, 326.0956

0.8409, 0.0000,
7.3382

222.3579,

0.0000, 0.0000,

199.1080, 388.1722

3.5929

268.5508,
242.9082, 457.6656

■ 0.0000, 0.0000,
1.4048

■ 0.0000, 0.0000,
0.1454

■ 36.0800, 28.0493,
85.9505

■ 36.0800, 28.0493,
85.9505

■ 30.1103, 20.9060,
84.8869

■ 43.3525, 36.9609,
87.2878

■ 25.3601, 15.4075,
84.0759

■ 51.9975, 47.7465,
88.9140

■ 21.7411, 11.4193,
83.4969

■ 62.0834, 60.5073,
90.8455

■ 19.1509, 8.7832,
83.1246

■ 73.6733, 75.3361,
93.0969

■ 17.4628, 7.2983,
82.9269

■ 86.8261, 92.3198,
95.6819

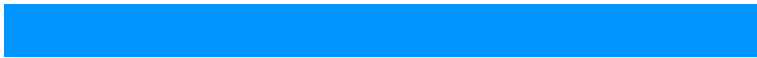
■ 17.0924, 6.9945,
82.8878

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



27.4297, 28.0493, 100.8900



36.0800, 28.0493, 85.9505



43.1685, 28.0493, 56.0082

Triad

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



36.0800, 28.0493, 85.9505



34.4884, 28.0493, 5.4885



13.8697, 28.0493, 32.7767

Complementary

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



36.0800, 28.0493, 85.9505



63.3099, 78.4518, 31.8854

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.



15.0097, 28.0493, 14.2701



36.0800, 28.0493, 85.9505



25.9049, 28.0493, 4.0675

Square

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



36.0800, 28.0493, 85.9505



42.1258, 28.0493, 12.1120



19.0414, 28.0493, 6.2136



15.5355, 28.0493, 61.8673

Rectangle

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



36.0800, 28.0493, 85.9505



45.4278, 28.0493, 36.5296



19.0414, 28.0493, 6.2136



13.9380, 28.0493, 25.2454

Sweetspot

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



36.0811, 28.0503, 85.9512



75.1015, 74.3516, 105.0008



49.3974, 60.6362, 91.5391



15.4834, 15.1600, 22.3601



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.



36.0811, 28.0503, 85.9512



35.1130, 24.6504, 97.5151



48.7996, 34.6069, 86.5464



15.2110, 15.3905, 19.8906



9.4465, 3.8752, 45.3780



0.8667, 0.3641, 3.7788

Inverse Universe

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



55.9197, 38.6626, 69.4806



60.6017, 38.3107, 75.1980



49.6694, 71.4198, 31.2470



16.3021, 15.9705, 19.1470



24.7517, 12.1731, 27.6727



2.0946, 1.0269, 2.4889

Previews

White Background



This preview shows how the XYZ color 36.0800, 28.0493, 85.9505 looks on a white background.

Color Contrast Check

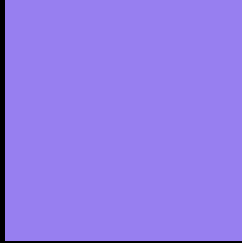
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0800, 28.0493, 85.9505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

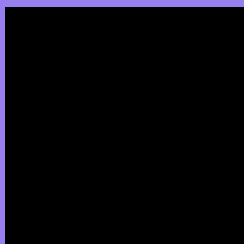
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.0800, 28.0493, 85.9505

Background



This preview shows how black text looks on a background with the XYZ color 36.0800, 28.0493, 85.9505.



This preview shows how white text looks on a background with the XYZ color 36.0800, 28.0493,

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

36.0800, 28.0493, 85.9505

Protanopia

31.7687, 28.4688, 96.7491

Deuteranopia

29.1962, 28.3332, 83.2869



Tritanopia

26.1233, 28.0129, 36.3779

Trichromacy



Original Color

36.0800, 28.0493, 85.9505

Protanomaly

32.6869, 27.9630, 92.4816

Deuteranomaly

30.8049, 27.6064, 83.8257

Tritanomaly

29.1249, 27.6715, 51.3830

Monochromacy



Original Color

36.0800, 28.0493, 85.9505

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.9313, 28.3883, 47.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0800, 28.0493, 85.9505 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(151, 127, 240)` looks like.

```
.text, #text, p{  
    color:rgb(151, 127, 240)  
}
```

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(151, 127, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 127, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.0800, 28.0493, 85.9505 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(151, 127, 240) }
```


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

```
.border{ border-color:rgb(151, 127, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 127, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 127, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 127, 240); box-shadow:4px 4px 4px 4px rgb(151, 127, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0800, 28.0493, 85.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 127, 240) }
```

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

```
.background{ background-color: rgb(151,  
127, 240) }
```

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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