

Converting Colors

XYZ(36.3812, 28.2629, 87.7402)

Have a look what the booklet for
XYZ(36.3812, 28.2629, 87.7402)
contains.

XYZ(36.3239, 28.3332, 87.5588)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3239, 28.3332,
87.5588)**

Conversions

Conversions Part 1

Format	Color
Hex	9680F2
RGB	150, 128, 242
RGB Percent	59%, 50%, 95%
CMY	0.4117, 0.4980, 0.0510
CMYK	0.38, 0.47, 0.00, 0.05
HSL	252°, 81%, 73%
HSV	252°, 47%, 95%
XYZ	36.3239, 28.3332, 87.5588
YIQ	147.5740, -23.4820, 40.1180

Conversions

Conversions Part 2

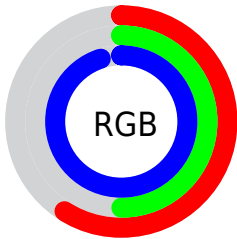
Format	Color
R_{YB}	150, 128, 242
Decimal	9863410
CIE _{Lab}	60.19, 34.45, -54.62
CIE _{LCh}	60, 64.579, 302.235
Yxy	28.3332, 0.2386, 0.1861
Android (android.graphics.Color)	4288053490 (0xFF9680F2)
YUV	147.5740, 46.5520, 2.1276
Hunter-Lab	53.2289, 28.6593, -60.2687

Details

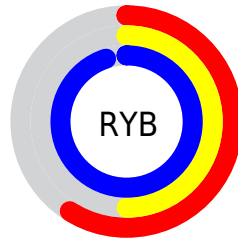
The XYZ color **36.3239, 28.3332, 87.5588** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.1636, 80.2787, 32.4837**, and the grayscale version is **27.7918, 29.2392, 31.8414**.

A 20% lighter version of the original color is **60.5863, 53.6776, 101.7753**, and **16.0974, 11.3312, 47.2377** is the 20% darker color. If you saturate the color by 10%, you get **30.2365, 21.0552, 86.4754**, and if you desaturate by 10%, it is **43.7651, 37.4272, 88.9225**.

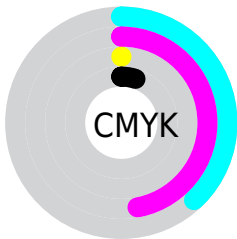
Distribution



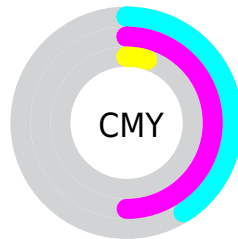
- Red (59%)
- Green (50%)
- Blue (95%)



- Red (59%)
- Yellow (50%)
- Blue (95%)



- Cyan (38%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)





- Cyan (41%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3239, 28.3332, 87.5588 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 36.3239, 28.3332, 87.5588 by changing the saturation by 10% instead.


 36.3239, 28.3332,
87.5588

 36.3239, 28.3332,
87.5588


321.7806,
294.0557, 540.4211


 24.8557, 18.5770,
65.3955


 68.8523, 57.0160,
145.8485

 16.0978, 11.3650,
47.3285


 90.6433, 76.7113,
182.8119

 9.6846, 6.3129,
32.9392


 116.6058,
100.4885, 225.5458

 5.2510, 3.0363,
21.8091

147.1054,
128.7319, 274.4687

 2.4316, 1.1507,
13.5197

182.5073,
161.8259, 329.9992

 0.8609, 0.0209,
7.6525

223.1769,

 0.0000, 0.0000,

200.1550, 392.5557

3.7888

269.4796,
244.1034, 462.5568

■ 0.0000, 0.0000,
1.5102

■ 0.0000, 0.0000,
0.2255

■ 36.3239, 28.3332,
87.5588

■ 36.3239, 28.3332,
87.5588

■ 30.2365, 21.0552,
86.4754

■ 43.7651, 37.4272,
88.9225

■ 25.4154, 15.4660,
85.6507

■ 52.6334, 48.4464,
90.5820

■ 21.7680, 11.4269,
85.0633

■ 63.0005, 61.4950,
92.5542

■ 19.1864, 8.7748,
84.6874

■ 74.9326, 76.6685,
94.8541

■ 17.5378, 7.3024,
84.4901

■ 88.4915, 94.0566,
97.4957

■ 17.1859, 7.0082,
84.4519

■ 93.0271, 99.1908,
98.2477

Harmonies

Analogous

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



27.5543, 28.3332, 102.3060



36.3239, 28.3332, 87.5588



43.5758, 28.3332, 57.2701

Triad

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



36.3239, 28.3332, 87.5588



35.0293, 28.3332, 5.5637



13.9700, 28.3332, 32.6589

Complementary

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



36.3239, 28.3332, 87.5588



65.1636, 80.2787, 32.4837

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.



15.1762, 28.3332, 14.1381



36.3239, 28.3332, 87.5588



26.3149, 28.3332, 4.0624

Square

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



36.3239, 28.3332, 87.5588



42.7273, 28.3332, 12.3886



19.3135, 28.3332, 6.1496



15.6029, 28.3332, 62.0396

Rectangle

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



36.3239, 28.3332, 87.5588



45.9375, 28.3332, 37.4145



19.3135, 28.3332, 6.1496



14.0564, 28.3332, 25.1021

Sweetspot

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



36.3250, 28.3342, 87.5595



74.8836, 74.2392, 104.9906



50.8127, 62.7665, 93.4420



15.4309, 15.1329, 22.3576



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.



36.3250, 28.3342, 87.5595



34.0204, 23.6744, 97.3843



49.1728, 34.9575, 88.1608



15.1820, 15.3755, 19.8892



9.3178, 3.8089, 45.3720



0.8520, 0.3565, 3.7781

Inverse Universe

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



57.2558, 39.4836, 72.3127



60.6361, 37.8796, 76.7504



50.9796, 72.9666, 31.8199



16.3158, 15.9760, 19.2193



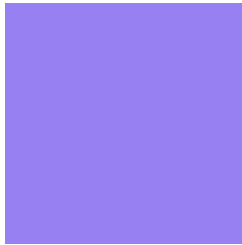
25.0298, 12.2844, 29.1373



2.1154, 1.0352, 2.5985

Previews

White Background



This preview shows how the XYZ color 36.3239, 28.3332, 87.5588 looks on a white background.

Color Contrast Check

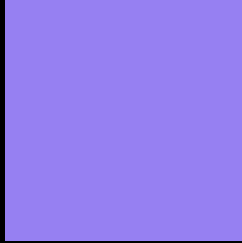
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3239, 28.3332, 87.5588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

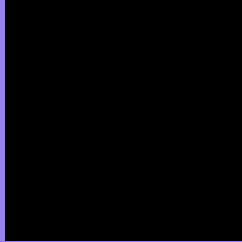
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3239, 28.3332, 87.5588

Background



This preview shows how black text looks on a background with the XYZ color 36.3239, 28.3332, 87.5588.



This preview shows how white text looks on a background with the XYZ color 36.3239, 28.3332,

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

36.3239, 28.3332, 87.5588

Protanopia

32.0891, 28.5969, 98.4362

Deuteranopia

29.5493, 28.7092, 84.8729



Tritanopia

26.0518, 28.1959, 36.8702

Trichromacy



Original Color

36.3239, 28.3332, 87.5588

Protanomaly

32.9989, 28.0879, 94.1247

Deuteranomaly

31.1193, 27.9484, 85.4158

Tritanomaly

29.0446, 27.8336, 51.9857

Monochromacy



Original Color

36.3239, 28.3332, 87.5588

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.3628, 28.8167, 48.2179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3239, 28.3332, 87.5588 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(150, 128, 242)` looks like.

```
.text, #text, p{  
    color:rgb(150, 128, 242)  
}
```

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(150, 128, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.3239, 28.3332, 87.5588 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(150, 128, 242) }
```


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

```
.border{ border-color:rgb(150, 128, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 128, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 128, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 128, 242);  
box-shadow:4px 4px 4px 4px rgb(150, 128,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3239, 28.3332, 87.5588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 242) }
```

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

```
.background{ background-color: rgb(150,  
128, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor