

Converting Colors

XYZ(36.8296, 29.0440, 87.5507)

Have a look what the booklet for
XYZ(36.8296, 29.0440, 87.5507)
contains.

XYZ(36.7721, 28.9554, 87.6552)	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(36.7721, 28.9554,
87.6552)**

Conversions

Conversions Part 1

Format	Color
Hex	9782F2
RGB	151, 130, 242
RGB Percent	59%, 51%, 95%
CMY	0.4078, 0.4902, 0.0510
CMYK	0.38, 0.46, 0.00, 0.05
HSL	251°, 81%, 73%
HSV	251°, 46%, 95%
XYZ	36.7721, 28.9554, 87.6552
YIQ	149.0470, -23.4360, 39.2840

Conversions

Conversions Part 2

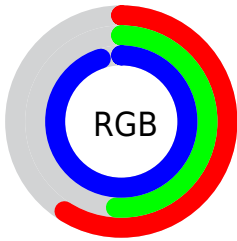
Format	Color
RYB	151, 130, 242
Decimal	9929458
CIELab	60.74, 33.55, -53.74
CIELCh	61, 63.349, 301.974
Yxy	28.9554, 0.2397, 0.1888
Android (android.graphics.Color)	4288119538 (0xFF9782F2)
YUV	149.0470, 45.8258, 1.7128
Hunter-Lab	53.8102, 27.8130, -58.9144

Details

The XYZ color **36.7721, 28.9554, 87.6552** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.6004, 80.4885, 33.1983**, and the grayscale version is **28.4083, 29.8877, 32.5477**.

A 20% lighter version of the original color is **60.9959, 54.4969, 101.9119**, and **16.3449, 11.6730, 47.2906** is the 20% darker color. If you saturate the color by 10%, you get **30.5739, 21.5309, 86.5494**, and if you desaturate by 10%, it is **44.3381, 38.2094, 89.0432**.

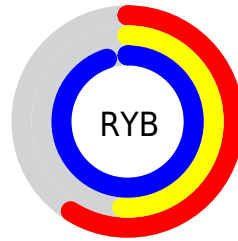
Distribution



Red (59%)

Green (51%)

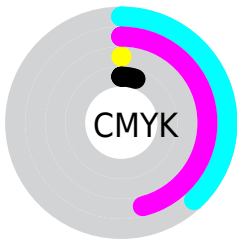
Blue (95%)



Red (59%)

Yellow (51%)

Blue (95%)

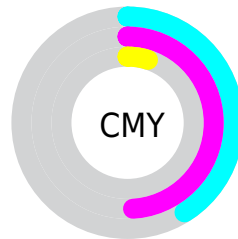


Cyan (38%)

Magenta (46%)

Yellow (0%)

Black (5%)



Cyan (41%)

Magenta (49%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7721, 28.9554, 87.6552 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 36.7721, 28.9554, 87.6552 by changing the saturation by 10% instead.

■ 36.7721, 28.9554,
87.6552

■ 36.7721, 28.9554,
87.6552

323.6955,
297.0045, 540.7454

■ 25.2040, 19.0471,
65.4748

■ 69.5382, 58.0062,
145.9839

■ 16.3586, 11.7043,
47.3924

■ 91.4670, 77.9175,
182.9694

■ 9.8707, 6.5427,
32.9894

■ 117.5799,
101.9319, 225.7270

■ 5.3749, 3.1778,
21.8473

148.2424,
130.4338, 274.6752

■ 2.5059, 1.2252,
13.5475

183.8199,
163.8076, 330.2326

■ 0.8982, 0.0822,
7.6715

224.6776,

■ 0.0000, 0.0000,

202.4378, 392.8178

3.8007

271.1811,
246.7086, 462.8492

■ 0.0000, 0.0000,
1.5167

■ 0.0000, 0.0000,
0.2303

■ 36.7721, 28.9554,
87.6552

■ 36.7721, 28.9554,
87.6552

■ 30.5739, 21.5309,
86.5494

■ 44.3381, 38.2094,
89.0432

■ 25.6558, 15.8094,
85.7042

■ 53.3450, 49.4016,
90.7288

■ 21.9255, 11.6532,
85.0986

■ 63.8649, 62.6355,
92.7287

■ 19.2756, 8.9012,
84.7071

■ 75.9640, 78.0068,
95.0580

■ 17.5769, 7.3548,
84.4981

■ 89.7044, 95.6046,
97.7305

■ 17.1260, 6.9774,
84.4490

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



28.0696, 28.9554, 101.8943



36.7721, 28.9554, 87.6552



43.9716, 28.9554, 57.9508

Triad

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



36.7721, 28.9554, 87.6552



35.6394, 28.9554, 6.0679



14.5503, 28.9554, 33.1134

Complementary

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



36.7721, 28.9554, 87.6552



65.6004, 80.4885, 33.1983

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.



15.7901, 28.9554, 14.6776



36.7721, 28.9554, 87.6552



26.9801, 28.9554, 4.4716

Square

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



36.7721, 28.9554, 87.6552



43.2313, 28.9554, 13.1136



19.9686, 28.9554, 6.6029



16.1692, 28.9554, 62.1006

Rectangle

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



36.7721, 28.9554, 87.6552



46.3351, 28.9554, 38.2821



19.9686, 28.9554, 6.6029



14.6456, 28.9554, 25.6182

Sweetspot

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



36.7733, 28.9564, 87.6559



74.8221, 74.2075, 104.9877



51.2135, 63.1171, 93.4885



15.4161, 15.1253, 22.3569



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.



36.7733, 28.9564, 87.6559



34.5099, 24.3395, 97.4869



49.6124, 35.5752, 88.2568



15.1738, 15.3713, 19.8888



9.2837, 3.7913, 45.3704



0.8480, 0.3544, 3.7779

Inverse Universe

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



57.6522, 40.0637, 73.1007



61.0909, 38.5064, 77.7739



51.3965, 73.1661, 32.5336



16.3197, 15.9776, 19.2398



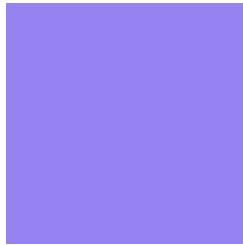
25.1101, 12.3165, 29.5599



2.1214, 1.0376, 2.6301

Previews

White Background



This preview shows how the XYZ color 36.7721, 28.9554, 87.6552 looks on a white background.

Color Contrast Check

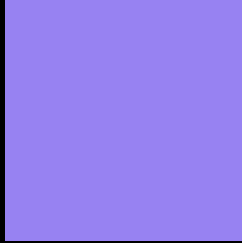
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7721, 28.9554, 87.6552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

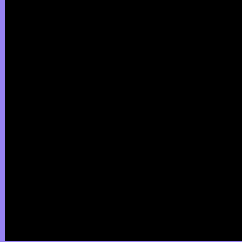
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7721, 28.9554, 87.6552

Background



This preview shows how black text looks on a background with the XYZ color 36.7721, 28.9554, 87.6552.



This preview shows how white text looks on a background with the XYZ color 36.7721, 28.9554,

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

36.7721, 28.9554, 87.6552

Protanopia

32.6416, 29.3421, 97.7091

Deuteranopia

30.0828, 29.2141, 84.9423



Tritanopia

26.8533, 29.0546, 37.9110

Trichromacy



Original Color

36.7721, 28.9554, 87.6552

Protanomaly

33.6799, 28.8610, 94.2381

Deuteranomaly

31.7870, 28.7265, 85.5308

Tritanomaly

29.7825, 28.6392, 52.6734

Monochromacy



Original Color

36.7721, 28.9554, 87.6552

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.7979, 29.2489, 48.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7721, 28.9554, 87.6552 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, 130, 242)` looks like.

```
.text, #text, p{  
    color:rgb(151, 130, 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(151, 130, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 130, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.7721, 28.9554, 87.6552 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, 130, 242) }
```


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

```
.border{ border-color:rgb(151, 130, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 130, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 130, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 130, 242);  
box-shadow:4px 4px 4px 4px rgb(151, 130,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7721, 28.9554, 87.6552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 130, 242) }
```

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

```
.background{ background-color: rgb(151,  
130, 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