

Converting Colors

XYZ(36.8852, 30.9349, 89.7796)

Have a look what the booklet for
XYZ(36.8852, 30.9349, 89.7796)
contains.

XYZ(36.7171, 30.7477, 89.5876)	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(36.7171, 30.7477,
89.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8BF4
RGB	142, 139, 244
RGB Percent	56%, 55%, 96%
CMY	0.4431, 0.4549, 0.0431
CMYK	0.42, 0.43, 0.00, 0.04
HSL	242°, 83%, 75%
HSV	242°, 43%, 96%
XYZ	36.7171, 30.7477, 89.5876
YIQ	151.8670, -31.9170, 33.2910

Conversions

Conversions Part 2

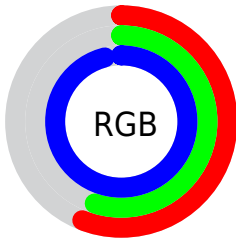
Format	Color
RYB	142, 139, 244
Decimal	9341940
CIELab	62.29, 26.68, -52.42
CIELCh	62, 58.817, 296.970
Yxy	30.7477, 0.2338, 0.1958
Android (android.graphics.Color)	4287532020 (0xFF8E8BF4)
YUV	151.8670, 45.4216, -8.6534
Hunter-Lab	55.4506, 21.1568, -56.9752

Details

The XYZ color **36.7171, 30.7477, 89.5876** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.2863, 85.2664, 37.0224**, and the grayscale version is **29.6091, 31.1511, 33.9235**.

A 20% lighter version of the original color is **60.4528, 57.0614, 102.4355**, and **16.2883, 12.6639, 48.5996** is the 20% darker color. If you saturate the color by 10%, you get **29.9270, 22.5754, 88.3687**, and if you desaturate by 10%, it is **45.1625, 40.9446, 91.1113**.

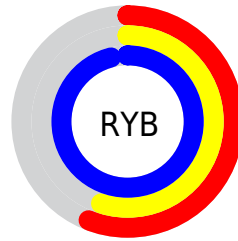
Distribution



Red (56%)

Green (55%)

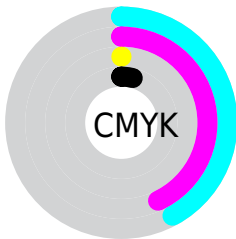
Blue (96%)



Red (56%)

Yellow (55%)

Blue (96%)

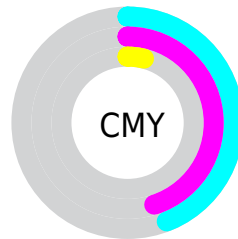


Cyan (42%)

Magenta (43%)

Yellow (0%)

Black (4%)



Cyan (44%)

Magenta (45%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7171, 30.7477, 89.5876 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 36.7171, 30.7477, 89.5876 by changing the saturation by 10% instead.

■ 36.7171, 30.7477,
89.5876

■ 36.7171, 30.7477,
89.5876

323.4609,
305.3743, 547.2239

■ 25.1612, 20.4068,
67.0669

■ 69.4541, 60.8426,
148.6959

■ 16.3266, 12.6911,
48.6770

■ 91.3660, 81.3655,
186.1206

■ 9.8478, 7.2162,
33.9996

■ 117.4605,
106.0510, 229.3503

■ 5.3597, 3.5977,
22.6159

148.1031,
135.2838, 278.8037

■ 2.4967, 1.4511,
14.1075

183.6590,
169.4481, 334.8992

■ 0.8936, 0.2540,
8.0559

224.4938,

■ 0.0000, 0.0000,

208.9284, 398.0553

4.0424

270.9726,
254.1090, 468.6907

■ 0.0000, 0.0000,
1.6487

■ 0.0000, 0.0000,
0.3252

■ 36.7171, 30.7477,
89.5876

■ 36.7171, 30.7477,
89.5876

■ 29.9270, 22.5754,
88.3687

■ 45.1625, 40.9446,
91.1113

■ 24.6803, 16.2897,
87.4319

■ 55.3583, 53.2850,
92.9559

■ 20.8569, 11.7408,
86.7554

■ 67.3964, 67.8828,
95.1390

■ 18.3175, 8.7545,
86.3129

■ 81.3615, 84.8427,
97.6766

■ 16.8945, 7.1207,
86.0725

■ 93.3292, 99.3117,
99.8386

■ 16.4166, 6.5767,
85.9927

Harmonies

Analogous

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



28.4246, 30.7477, 98.9520



36.7171, 30.7477, 89.5876



43.9988, 30.7477, 63.4460

Triad

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



36.7171, 30.7477, 89.5876



38.3700, 30.7477, 8.5601



16.4674, 30.7477, 31.2190

Complementary

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



36.7171, 30.7477, 89.5876



73.2863, 85.2664, 37.0224

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.



18.1946, 30.7477, 14.8422



36.7171, 30.7477, 89.5876



30.0398, 30.7477, 6.0350

Square

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



36.7171, 30.7477, 89.5876



45.0682, 30.7477, 17.2954



22.8280, 30.7477, 7.6618



17.6121, 30.7477, 57.5067

Rectangle

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



36.7171, 30.7477, 89.5876



46.7826, 30.7477, 44.3463



22.8280, 30.7477, 7.6618



16.7225, 30.7477, 24.5502

Sweetspot

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



36.7183, 30.7488, 89.5884



74.5006, 75.0388, 105.1651



58.8039, 75.6745, 97.0959



15.2775, 15.2500, 22.3883



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.



36.7183, 30.7488, 89.5884



33.6912, 25.6877, 97.7902



47.6187, 36.3681, 90.0985



15.6250, 15.9493, 20.7976



8.9455, 3.5859, 46.7587



0.8014, 0.3230, 4.1103

Inverse Universe

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



62.4184, 44.0499, 88.4305



65.6942, 42.2557, 96.1329



58.1845, 77.4811, 36.3157



17.1920, 16.7596, 20.7574



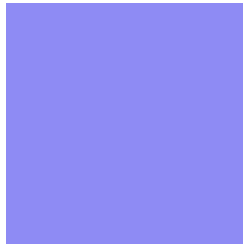
28.6089, 13.7870, 44.7765



2.5208, 1.2143, 3.9689

Previews

White Background



This preview shows how the XYZ color 36.7171, 30.7477, 89.5876 looks on a white background.

Color Contrast Check

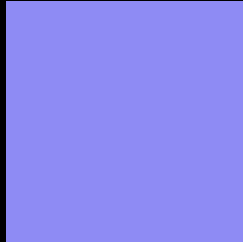
Large Text (above 18pt) WCAG AA × Fail

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 36.7171, 30.7477, 89.5876 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 ✓ Pass

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

XYZ 36.7171, 30.7477, 89.5876

Background



This preview shows how black text looks on a background with the XYZ color 36.7171, 30.7477, 89.5876.



This preview shows how white text looks on a background with the XYZ color 36.7171, 30.7477,

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

36.7171, 30.7477, 89.5876

Protanopia

33.9097, 30.9583, 95.4551

Deuteranopia

31.8736, 31.0255, 87.5277



Tritanopia

27.1247, 30.8150, 41.5641

Trichromacy



Original Color

36.7171, 30.7477, 89.5876

Protanomaly

34.6623, 30.7169, 92.9090

Deuteranomaly

33.2708, 30.7890, 88.1937

Tritanomaly

30.0761, 30.5440, 56.5350

Monochromacy



Original Color

36.7171, 30.7477, 89.5876

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.4034, 30.6661, 50.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7171, 30.7477, 89.5876 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(142, 139, 244)` looks like.

```
.text, #text, p{  
    color:rgb(142, 139, 244)  
}
```

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(142, 139, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 139, 244) }
```

Border

The CSS property to change the border of an element to XYZ 36.7171, 30.7477, 89.5876 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(142, 139, 244) }
```


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

```
.border{ border-color:rgb(142, 139, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 139, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 139, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 139, 244);  
box-shadow:4px 4px 4px 4px rgb(142, 139,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7171, 30.7477, 89.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 139, 244) }
```

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

```
.background{ background-color: rgb(142,  
139, 244) }
```

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