

Converting Colors

XYZ(33.7890, 28.5666, 72.1396)

Have a look what the booklet for
XYZ(33.7890, 28.5666, 72.1396)
contains.

XYZ(33.7890, 28.5666, 72.1396)	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(33.7890, 28.5666,
72.1396)**

Conversions

Conversions Part 1

Format	Color
Hex	9486DD
RGB	148, 134, 221
RGB Percent	58%, 53%, 87%
CMY	0.4196, 0.4745, 0.1333
CMYK	0.33, 0.39, 0.00, 0.13
HSL	250°, 56%, 70%
HSV	250°, 39%, 87%
XYZ	33.7890, 28.5666, 72.1396
YIQ	148.1040, -19.5830, 30.0250

Conversions

Conversions Part 2

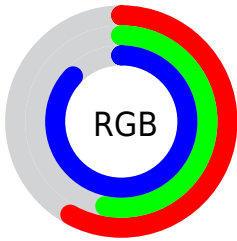
Format	Color
R _Y B	148, 134, 221
Decimal	9733853
CIE _{Lab}	60.40, 24.90, -42.64
CIE _{LCh}	60, 49.375, 300.288
Yxy	28.5666, 0.2512, 0.2124
Android (android.graphics.Color)	4287923933 (0xFF9486DD)
YUV	148.1040, 35.9377, -0.0912
Hunter-Lab	53.4477, 19.3120, -42.6116

Details

The XYZ color **33.7890, 28.5666, 72.1396** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.8921, 66.7000, 32.4839**, and the grayscale version is **28.0533, 29.5142, 32.1410**.

A 20% lighter version of the original color is **60.7222, 55.5980, 102.1388**, and **14.5779, 11.4369, 37.0365** is the 20% darker color. If you saturate the color by 10%, you get **27.9579, 21.4906, 71.0816**, and if you desaturate by 10%, it is **40.7977, 37.1982, 73.4368**.

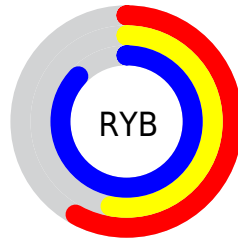
Distribution



Red (58%)

Green (53%)

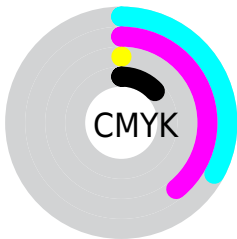
Blue (87%)



Red (58%)

Yellow (53%)

Blue (87%)

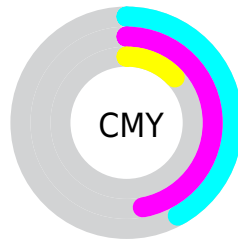


Cyan (33%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7890, 28.5666, 72.1396 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 33.7890, 28.5666, 72.1396 by changing the saturation by 10% instead.

■ 33.7890, 28.5666,
72.1396

■ 33.7890, 28.5666,
72.1396

310.7927,
295.1645, 487.0179

■ 22.8937, 18.7532,
52.7852

■ 64.9519, 57.3878,
123.9646

■ 14.6353, 11.4921,
37.2448

■ 85.9502, 77.1644,
157.2722

■ 8.6485, 6.3988,
25.0998

■ 111.0468,
101.0308, 196.0679

■ 4.5679, 3.0891,
15.9317

140.6071,
129.3715, 240.7704

■ 2.0281, 1.1784,
9.3220

174.9965,
162.5708, 291.7981

■ 0.6497, 0.0440,
4.8521

214.5803,

■ 0.0000, 0.0000,

201.0131, 349.5695

2.1036

259.7239,
245.0829, 414.5033

■ 0.0000, 0.0000,
0.6179

■ 0.0000, 0.0000,
0.0000

■ 33.7890, 28.5666,
72.1396

■ 33.7890, 28.5666,
72.1396

■ 27.9579, 21.4906,
71.0816

■ 40.7977, 37.1982,
73.4368

■ 23.2358, 15.8737,
70.2464

■ 49.0414, 47.4677,
74.9845

■ 19.5514, 11.6134,
69.6182

■ 58.5774, 59.4553,
76.7957

■ 16.8237, 8.5926,
69.1789

■ 69.4583, 73.2351,
78.8820

■ 14.9589, 6.6737,
68.9068

■ 81.7340, 88.8768,
81.2542

■ 13.8202, 5.6395,
68.7672

■ 90.0512, 98.0005,
82.5769

■ 13.7637, 5.5878,
68.7602

Harmonies

Analogous

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



27.2131, 28.5666, 80.8318



33.7890, 28.5666, 72.1396



39.2008, 28.5666, 51.8616

Triad

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



33.7890, 28.5666, 72.1396



33.6663, 28.5666, 9.5418



16.6781, 28.5666, 31.2801

Complementary

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



33.7890, 28.5666, 72.1396



55.8921, 66.7000, 32.4839

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.



17.8655, 28.5666, 16.7889



33.7890, 28.5666, 72.1396



27.0904, 28.5666, 7.5994

Square

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



33.7890, 28.5666, 72.1396



39.1225, 28.5666, 16.5880



21.4460, 28.5666, 9.6220



17.9119, 28.5666, 52.2905

Rectangle

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



33.7890, 28.5666, 72.1396



41.0569, 28.5666, 37.3861



21.4460, 28.5666, 9.6220



16.8048, 28.5666, 25.5686

Sweetspot

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



33.7901, 28.5677, 72.1403



77.2300, 77.4580, 105.4882



45.4271, 55.3769, 76.7016



16.1505, 16.1010, 22.5065



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.



33.7901, 28.5677, 72.1403



40.1447, 31.5028, 98.5725



42.9499, 33.2898, 72.5690



12.5329, 12.7173, 16.4463



8.0579, 3.2782, 39.9465



0.5836, 0.2441, 2.5908

Inverse Universe

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



49.6070, 36.9283, 63.5450



65.0235, 44.6693, 84.3332



45.5632, 61.3753, 32.0005



13.5197, 13.2370, 15.9978



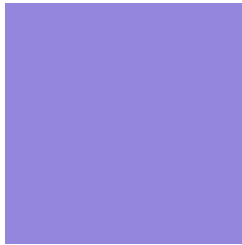
22.4713, 10.9895, 27.9255



1.4804, 0.7218, 1.9387

Previews

White Background



This preview shows how the XYZ color 33.7890, 28.5666, 72.1396 looks on a white background.

Color Contrast Check

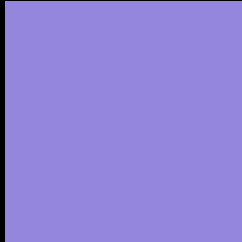
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7890, 28.5666, 72.1396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

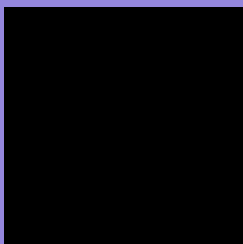
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7890, 28.5666, 72.1396

Background



This preview shows how black text looks on a background with the XYZ color 33.7890, 28.5666, 72.1396.



This preview shows how white text looks on a background with the XYZ color 33.7890, 28.5666,

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

33.7890, 28.5666, 72.1396

Protanopia

30.9047, 28.8795, 78.0742

Deuteranopia

29.5937, 28.8100, 71.0190



Tritanopia

26.6834, 28.5215, 36.8997

Trichromacy



Original Color

33.7890, 28.5666, 72.1396

Protanomaly

31.7097, 28.6828, 75.8166

Deuteranomaly

30.9006, 28.5770, 71.5974

Tritanomaly

28.9317, 28.2989, 48.1933

Monochromacy



Original Color

33.7890, 28.5666, 72.1396

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.7731, 29.0360, 44.5927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7890, 28.5666, 72.1396 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(148, 134, 221)` looks like.

```
.text, #text, p{  
    color:rgb(148, 134, 221)  
}
```

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(148, 134, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 134, 221) }
```

Border

The CSS property to change the border of an element to XYZ 33.7890, 28.5666, 72.1396 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(148, 134, 221) }
```


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

```
.border{ border-color:rgb(148, 134, 221) }
```

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

Here you see how a box with a 4 pixel rgb(148, 134, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 134, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 134, 221);  
box-shadow:4px 4px 4px 4px rgb(148, 134,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7890, 28.5666, 72.1396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 134, 221) }
```

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

```
.background{ background-color: rgb(148,  
134, 221) }
```

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