

Converting Colors

XYZ(29.7891, 28.1233, 72.9339)

Have a look what the booklet for
XYZ(29.7891, 28.1233, 72.9339)
contains.

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Color

**XYZ(29.7972, 28.1973,
72.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	728EDE
RGB	114, 142, 222
RGB Percent	45%, 56%, 87%
CMY	0.5529, 0.4431, 0.1294
CMYK	0.49, 0.36, 0.00, 0.13
HSL	224°, 62%, 66%
HSV	224°, 49%, 87%
XYZ	29.7972, 28.1973, 72.9794
YIQ	142.7480, -42.3680, 18.9440

Conversions

Conversions Part 2

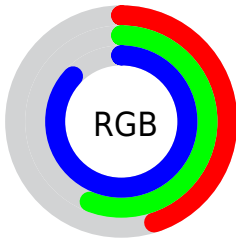
Format	Color
RYB	114, 136, 222
Decimal	7507678
CIELab	60.07, 11.79, -43.88
CIElCh	60, 45.436, 285.040
Yxy	28.1973, 0.2275, 0.2153
Android (android.graphics.Color)	4285697758 (0xFF728EDE)
YUV	142.7480, 39.0712, -25.2120
Hunter-Lab	53.1011, 7.2366, -44.3143

Details

The XYZ color **29.7972, 28.1973, 72.9794** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **52.4545, 55.3298, 23.8360**, and the grayscale version is **25.8704, 27.2176, 29.6400**.

A 20% lighter version of the original color is **54.3597, 54.9081, 102.3410**, and **12.3410, 11.2482, 37.5971** is the 20% darker color. If you saturate the color by 10%, you get **24.9834, 22.3479, 72.1046**, and if you desaturate by 10%, it is **35.6748, 35.1318, 74.0087**.

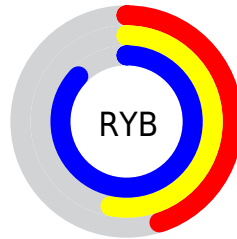
Distribution



Red (45%)

Green (56%)

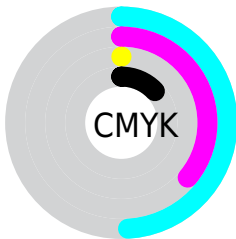
Blue (87%)



Red (45%)

Yellow (53%)

Blue (87%)

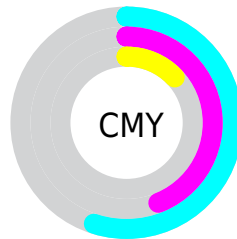


Cyan (49%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (55%)

Magenta (44%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7972, 28.1973, 72.9794 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 29.7972, 28.1973, 72.9794 by changing the saturation by 10% instead.

■ 29.7972, 28.1973,
72.9794

■ 29.7972, 28.1973,
72.9794

292.8848,
293.4085, 490.0123

■ 19.8320, 18.4744,
53.4674

■ 58.7301, 56.7993,
125.1686

■ 12.3805, 11.2911,
37.7857

■ 78.4286, 76.4472,
158.6829

■ 7.0774, 6.2630,
25.5159

■ 102.1022,
100.1723, 197.7017

■ 3.5573, 3.0057,
16.2393

130.1163,
128.3589, 242.6436

■ 1.4549, 1.1347,
9.5375

162.8363,
161.3914, 293.9270

■ 0.2948, 0.0074,
4.9918

200.6275,

■ 0.0000, 0.0000,

199.6542, 351.9706

2.1838

243.8552,
243.5318, 417.1928

■ 0.0000, 0.0000,
0.6650

■ 0.0000, 0.0000,
0.0000

■ 29.7972, 28.1973,
72.9794

■ 29.7972, 28.1973,
72.9794

■ 24.9834, 22.3479,
72.1046

■ 35.6748, 35.1318,
74.0087

■ 21.1629, 17.5227,
71.3746

■ 42.6741, 43.2020,
75.1975

■ 18.2612, 13.6584,
70.7817

■ 50.8527, 52.4586,
76.5531

■ 16.1907, 10.6829,
70.3165

■ 60.2630, 62.9483,
78.0819

■ 14.8268, 8.5019,
69.9674

■ 70.9543, 74.7153,
79.7896

■ 14.6755, 8.2552,
69.9277

■ 82.9731, 87.8014,
81.6820

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



24.0261, 28.1973, 73.0000



29.7972, 28.1973, 72.9794



35.4832, 28.1973, 59.2202

Triad

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



29.7972, 28.1973, 72.9794



35.4699, 28.1973, 13.2055



17.4132, 28.1973, 23.1795

Complementary

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



29.7972, 28.1973, 72.9794



52.4545, 55.3298, 23.8360

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.



19.6644, 28.1973, 13.2235



29.7972, 28.1973, 72.9794



29.7810, 28.1973, 9.0409

Square

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



29.7972, 28.1973, 72.9794



39.0653, 28.1973, 23.1437



24.0121, 28.1973, 9.0460



17.4162, 28.1973, 39.7492

Rectangle

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



29.7972, 28.1973, 72.9794



38.2243, 28.1973, 46.2320



24.0121, 28.1973, 9.0460



17.9153, 28.1973, 19.1093

Sweetspot

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



29.7983, 28.1983, 72.9801



73.9689, 76.6891, 105.5116



42.7097, 59.6800, 59.8385



15.2664, 15.7814, 22.4914



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.



29.7983, 28.1983, 72.9801



34.3186, 30.7382, 98.7320



29.8843, 22.8162, 71.9367



13.2395, 13.8181, 17.3570



8.7935, 5.0566, 41.5609



0.6812, 0.4939, 2.9047

Inverse Universe

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



41.0249, 29.5184, 29.1274



51.6531, 33.8543, 30.7793



52.1331, 65.3016, 25.7777



13.8523, 13.7586, 14.9927



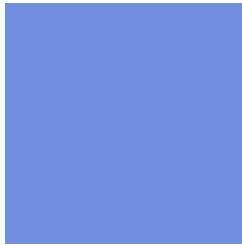
18.3788, 9.4185, 3.3944



1.3101, 0.6673, 0.4258

Previews

White Background



This preview shows how the XYZ color 29.7972, 28.1973, 72.9794 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 29.7972, 28.1973, 72.9794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

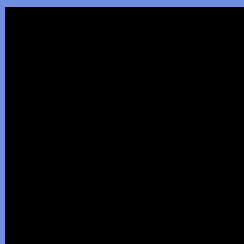
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

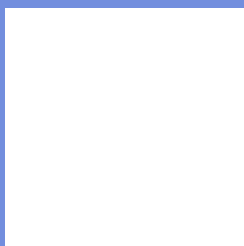
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7972, 28.1973, 72.9794

Background



This preview shows how black text looks on a background with the XYZ color 29.7972, 28.1973, 72.9794.



This preview shows how white text looks on a background with the XYZ color 29.7972, 28.1973,

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

29.7972, 28.1973, 72.9794

Protanopia

30.0603, 28.3329, 72.9917

Deuteranopia

29.1019, 28.2846, 73.0329



Tritanopia

23.2039, 28.0770, 40.2728

Trichromacy



Original Color

29.7972, 28.1973, 72.9794

Protanomaly

29.9280, 28.2648, 72.9855

Deuteranomaly

29.3140, 28.1701, 72.9996

Tritanomaly

25.2039, 27.9236, 50.5158

Monochromacy



Original Color

29.7972, 28.1973, 72.9794

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.7846, 27.5290, 42.9317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7972, 28.1973, 72.9794 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(114, 142, 222)` looks like.

```
.text, #text, p{  
    color:rgb(114, 142, 222)  
}
```

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(114, 142, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 142, 222) }
```

Border

The CSS property to change the border of an element to XYZ 29.7972, 28.1973, 72.9794 is called "border". The border property can be set on classes, ids or directly on the HTML element.

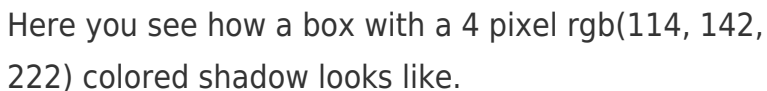
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 142, 222) }
```


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

```
.border{ border-color:rgb(114, 142, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 142, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 142, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 142, 222); box-shadow:4px 4px 4px 4px rgb(114, 142, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7972, 28.1973, 72.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 142, 222) }
```

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

```
.background{ background-color: rgb(114,  
142, 222) }
```

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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