

Converting Colors

XYZ(28.9828, 23.8224, 72.1781)

Have a look what the booklet for
XYZ(28.9828, 23.8224, 72.1781)
contains.

XYZ(28.8967, 23.7050, 72.1597)	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(28.8967, 23.7050,
72.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7ADE
RGB	127, 122, 222
RGB Percent	50%, 48%, 87%
CMY	0.5019, 0.5216, 0.1294
CMYK	0.43, 0.45, 0.00, 0.13
HSL	243°, 60%, 67%
HSV	243°, 45%, 87%
XYZ	28.8967, 23.7050, 72.1597
YIQ	134.8950, -29.1200, 32.1600

Conversions

Conversions Part 2

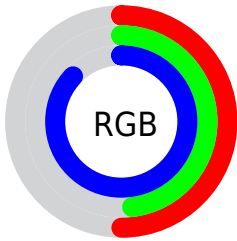
Format	Color
RYB	127, 122, 222
Decimal	8354526
CIELab	55.79, 26.76, -50.59
CIELCh	56, 57.235, 297.877
Yxy	23.7050, 0.2316, 0.1900
Android (android.graphics.Color)	4286544606 (0xFF7F7ADE)
YUV	134.8950, 42.9428, -6.9239
Hunter-Lab	48.6878, 20.7380, -53.7917

Details

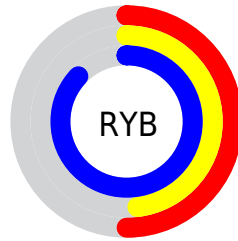
The XYZ color **28.8967, 23.7050, 72.1597** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.2493, 68.3996, 28.5454**, and the grayscale version is **22.8447, 24.0344, 26.1735**.

A 20% lighter version of the original color is **52.9532, 47.6825, 101.0204**, and **11.8640, 8.8579, 37.1608** is the 20% darker color. If you saturate the color by 10%, you get **23.6568, 17.4093, 71.2211**, and if you desaturate by 10%, it is **35.4185, 31.5864, 73.3377**.

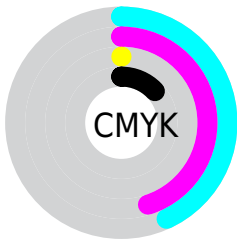
Distribution



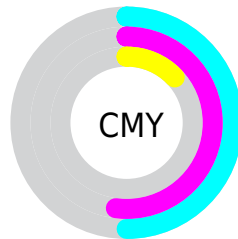
- Red (50%)
- Green (48%)
- Blue (87%)



- Red (50%)
- Yellow (48%)
- Blue (87%)



- Cyan (43%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8967, 23.7050, 72.1597 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 28.8967, 23.7050, 72.1597 by changing the saturation by 10% instead.

■ 28.8967, 23.7050,
72.1597

■ 28.8967, 23.7050,
72.1597

288.7303,
271.3256, 487.0897

■ 19.1466, 15.1149,
52.8015

■ 57.3116, 49.5484,
123.9934

■ 11.8809, 8.9001,
37.2577

■ 76.7071, 67.5705,
157.3060

■ 6.7342, 4.6761,
25.1097

■ 100.0485, 89.5054,
196.1071

■ 3.3413, 2.0585,
15.9391

127.7010,
115.7375, 240.8153

■ 1.3367, 0.6411,
9.3272

160.0301,
146.6511, 291.8491

■ 0.2104, 0.0000,
4.8555

197.4011,

■ 0.0000, 0.0000,

182.6308, 349.6271

2.1055

240.1794,
224.0608, 414.5678

■ 0.0000, 0.0000,
0.6190

■ 0.0000, 0.0000,
0.0000

■ 28.8967, 23.7050,
72.1597

■ 28.8967, 23.7050,
72.1597

■ 23.6568, 17.4093,
71.2211

■ 35.4185, 31.5864,
73.3377

■ 19.6115, 12.5894,
70.5040

■ 43.2958, 41.1481,
74.7681

■ 16.6674, 9.1258,
69.9907

■ 52.6004, 52.4805,
76.4651

■ 14.7158, 6.8789,
69.6598

■ 63.3980, 65.6667,
78.4412

■ 13.6258, 5.6789,
69.4857

■ 75.7501, 80.7846,
80.7082

■ 13.3243, 5.3458,
69.4372

■ 89.6504, 97.7784,
83.2557

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



22.0710, 23.7050, 80.6713



28.8967, 23.7050, 72.1597



34.8642, 23.7050, 49.9143

Triad

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



28.8967, 23.7050, 72.1597



29.8539, 23.7050, 5.8122



12.2044, 23.7050, 24.5070

Complementary

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



28.8967, 23.7050, 72.1597



58.2493, 68.3996, 28.5454

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.



13.5148, 23.7050, 11.0695



28.8967, 23.7050, 72.1597



22.9972, 23.7050, 4.0173

Square

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



28.8967, 23.7050, 72.1597



35.4874, 23.7050, 12.4280



17.1762, 23.7050, 5.3350



13.1881, 23.7050, 46.4329

Rectangle

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



28.8967, 23.7050, 72.1597



37.0978, 23.7050, 34.0838



17.1762, 23.7050, 5.3350



12.3848, 23.7050, 18.9980

Sweetspot

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



28.8977, 23.7058, 72.1603



73.3048, 73.4253, 104.9167



46.0242, 59.0377, 78.0774



15.0520, 14.9376, 22.3399



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.



28.8977, 23.7058, 72.1603



32.7857, 24.3117, 97.5724



38.2764, 28.5408, 72.5992



13.0152, 13.2758, 17.2642



7.9417, 3.1894, 41.2454



0.5732, 0.2328, 2.8600

Inverse Universe

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



49.6084, 34.4589, 69.6813



64.5970, 40.8369, 93.3759



45.5710, 61.8637, 27.9520



14.2639, 13.9232, 17.1596



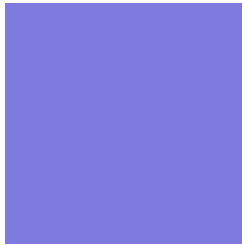
24.8820, 12.0198, 37.6401



1.7339, 0.8368, 2.6576

Previews

White Background



This preview shows how the XYZ color 28.8967, 23.7050, 72.1597 looks on a white background.

Color Contrast Check

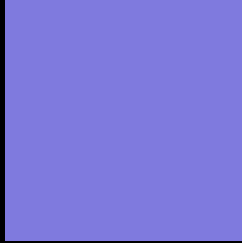
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8967, 23.7050, 72.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

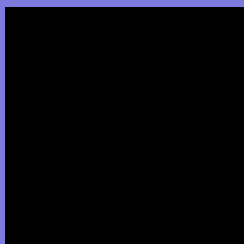
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8967, 23.7050, 72.1597

Background



This preview shows how black text looks on a background with the XYZ color 28.8967, 23.7050, 72.1597.



This preview shows how white text looks on a background with the XYZ color 28.8967, 23.7050,

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

28.8967, 23.7050, 72.1597

Protanopia

26.4820, 23.8521, 78.0711

Deuteranopia

24.5357, 23.8269, 70.3237



Tritanopia

20.6976, 23.5350, 31.8856

Trichromacy



Original Color

28.8967, 23.7050, 72.1597

Protanomaly

27.0480, 23.6084, 75.8043

Deuteranomaly

25.7248, 23.6194, 70.9133

Tritanomaly

23.1580, 23.2820, 44.3476

Monochromacy



Original Color

28.8967, 23.7050, 72.1597

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.4734, 23.6608, 39.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8967, 23.7050, 72.1597 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(127, 122, 222)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 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(127, 122, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.8967, 23.7050, 72.1597 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(127, 122, 222) }
```


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

```
.border{ border-color:rgb(127, 122, 222) }
```

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

Here you see how a box with a 4 pixel rgb(127, 122, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 222);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8967, 23.7050, 72.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 222) }
```

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

```
.background{ background-color: rgb(127,  
122, 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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