

Converting Colors

XYZ(29.1867, 22.8071, 72.5331)

Have a look what the booklet for
XYZ(29.1867, 22.8071, 72.5331)
contains.

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Color

**XYZ(29.2375, 22.8050,
72.6729)**

Conversions

Conversions Part 1

Format	Color
Hex	8574DF
RGB	133, 116, 223
RGB Percent	52%, 45%, 87%
CMY	0.4784, 0.5451, 0.1255
CMYK	0.40, 0.48, 0.00, 0.13
HSL	250°, 63%, 66%
HSV	250°, 48%, 87%
XYZ	29.2375, 22.8050, 72.6729
YIQ	133.2810, -24.2150, 36.8810

Conversions

Conversions Part 2

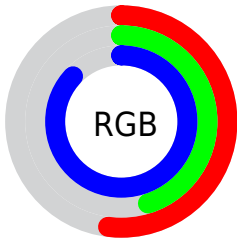
Format	Color
R _Y B	133, 116, 223
Decimal	8746207
CIE Lab	54.87, 32.05, -52.59
CIE LCh	55, 61.586, 301.355
Yxy	22.8050, 0.2344, 0.1829
Android (android.graphics.Color)	4286936287 (0xFF8574DF)
YUV	133.2810, 44.2315, -0.2464
Hunter-Lab	47.7546, 25.7152, -56.7993

Details

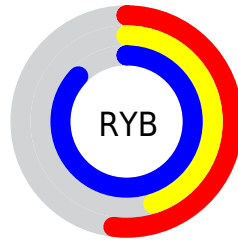
The XYZ color **29.2375, 22.8050, 72.6729** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **54.9936, 67.1584, 26.5879**, and the grayscale version is **22.2476, 23.4062, 25.4893**.

A 20% lighter version of the original color is **53.2878, 46.1724, 100.7113**, and **12.0428, 8.3821, 37.5424** is the 20% darker color. If you saturate the color by 10%, you get **24.2672, 16.8742, 71.7906**, and if you desaturate by 10%, it is **35.3553, 30.2438, 73.7867**.

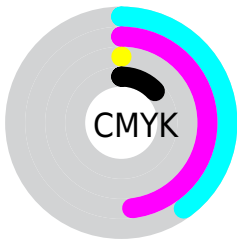
Distribution



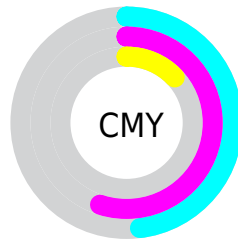
- Red (52%)
- Green (45%)
- Blue (87%)



- Red (52%)
- Yellow (45%)
- Blue (87%)



- Cyan (40%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2375, 22.8050, 72.6729 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 29.2375, 22.8050, 72.6729 by changing the saturation by 10% instead.

■ 29.2375, 22.8050,
72.6729

■ 29.2375, 22.8050,
72.6729

290.3079,
266.7219, 488.9207

■ 19.4057, 14.4496,
53.2183

■ 57.8492, 48.0729,
124.7293

■ 12.0696, 8.4340,
37.5882

■ 77.3598, 65.7543,
158.1683

■ 6.8636, 4.3739,
25.3639

■ 100.8274, 87.3130,
197.1058

■ 3.4225, 1.8848,
16.1269

■ 128.6174,
113.1336, 241.9605

■ 1.3809, 0.5392,
9.4587

161.0951,
143.6003, 293.1507

■ 0.2426, 0.0000,
4.9407

198.6258,

■ 0.0000, 0.0000,

179.0977, 351.0952

2.1544

241.5750,
220.0101, 416.2123

■ 0.0000, 0.0000,
0.6478

■ 0.0000, 0.0000,
0.0000

■ 29.2375, 22.8050,
72.6729

■ 29.2375, 22.8050,
72.6729

■ 24.2672, 16.8742,
71.7906

■ 35.3553, 30.2438,
73.7867

■ 20.3687, 12.3447,
71.1218

■ 42.6844, 39.2824,
75.1451

■ 17.4611, 9.0996,
70.6486

■ 51.2869, 50.0082,
76.7620

■ 15.4504, 7.0014,
70.3496

■ 61.2200, 62.5014,
78.6499

■ 14.2133, 5.8611,
70.1947

■ 72.5374, 76.8373,
80.8205

■ 14.0273, 5.6927,
70.1720

■ 85.2897, 93.0865,
83.2848

■ 90.3194, 98.1078,
83.9889

Harmonies

Analogous

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



21.9869, 22.8050, 84.4549



29.2375, 22.8050, 72.6729



35.3363, 22.8050, 47.5286

Triad

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



29.2375, 22.8050, 72.6729



28.5871, 22.8050, 4.3066



11.0335, 22.8050, 25.7290

Complementary

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



29.2375, 22.8050, 72.6729



54.9936, 67.1584, 26.5879

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.



12.0859, 22.8050, 10.8306



29.2375, 22.8050, 72.6729



21.3670, 22.8050, 3.0322

Square

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



29.2375, 22.8050, 72.6729



34.9087, 22.8050, 9.9703



15.5446, 22.8050, 4.5885



12.2970, 22.8050, 49.9382

Rectangle

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



29.2375, 22.8050, 72.6729



37.3911, 22.8050, 30.9129



15.5446, 22.8050, 4.5885



11.1264, 22.8050, 19.6038

Sweetspot

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



29.2384, 22.8058, 72.6735



74.5027, 74.0429, 104.9727



42.8230, 53.6427, 77.9096



15.3393, 15.0857, 22.3533



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.



29.2384, 22.8058, 72.6735



32.6165, 22.5498, 97.2412



39.7058, 28.2019, 73.1633



13.1539, 13.3473, 17.2707



8.3093, 3.3789, 41.2626



0.6392, 0.2668, 2.8631

Inverse Universe

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



47.8177, 32.6355, 62.1708



61.0025, 37.5940, 80.0125



42.7626, 60.8530, 26.0155



14.1966, 13.8963, 16.8052



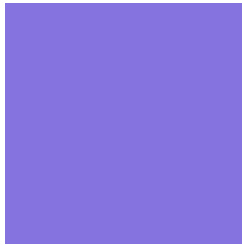
23.2378, 11.3621, 28.9820



1.6362, 0.7977, 2.1429

Previews

White Background



This preview shows how the XYZ color 29.2375, 22.8050, 72.6729 looks on a white background.

Color Contrast Check

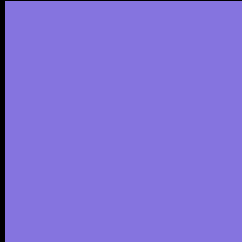
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2375, 22.8050, 72.6729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

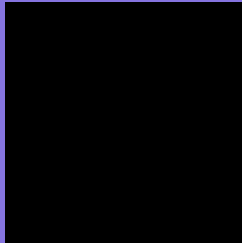
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2375, 22.8050, 72.6729

Background



This preview shows how black text looks on a background with the XYZ color 29.2375, 22.8050, 72.6729.



This preview shows how white text looks on a background with the XYZ color 29.2375, 22.8050,

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

29.2375, 22.8050, 72.6729

Protanopia

25.9638, 23.1282, 80.9376

Deuteranopia

23.6360, 22.9566, 70.2031



Tritanopia

20.5754, 22.6719, 30.0797

Trichromacy



Original Color

29.2375, 22.8050, 72.6729

Protanomaly

26.7461, 22.8378, 77.8614

Deuteranomaly

24.9952, 22.4687, 70.7296

Tritanomaly

23.0174, 22.2608, 42.6188

Monochromacy



Original Color

29.2375, 22.8050, 72.6729

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.1452, 22.9185, 39.2275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2375, 22.8050, 72.6729 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(133, 116, 223)` looks like.

```
.text, #text, p{  
    color:rgb(133, 116, 223)  
}
```

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(133, 116, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 116, 223) }
```

Border

The CSS property to change the border of an element to XYZ 29.2375, 22.8050, 72.6729 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(133, 116, 223) }
```


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

```
.border{ border-color:rgb(133, 116, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 116, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 116, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 116, 223);  
box-shadow:4px 4px 4px 4px rgb(133, 116,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2375, 22.8050, 72.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 116, 223) }
```

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

```
.background{ background-color: rgb(133,  
116, 223) }
```

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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