

Converting Colors

XYZ(22.8057, 10.1963, 71.5718)

Have a look what the booklet for
XYZ(22.8057, 10.1963, 71.5718)
contains.

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Color

**XYZ(22.8146, 10.2071,
71.2887)**

Conversions

Conversions Part 1

Format	Color
Hex	8300E0
RGB	131, 0, 224
RGB Percent	51%, 0%, 88%
CMY	0.4863, 1.0000, 0.1216
CMYK	0.42, 1.00, 0.00, 0.12
HSL	275°, 100%, 44%
HSV	275°, 100%, 88%
XYZ	22.8146, 10.2071, 71.2887
YIQ	64.7050, 6.1720, 97.4360

Conversions

Conversions Part 2

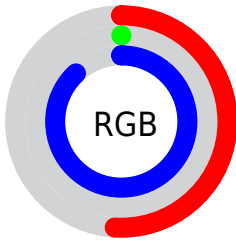
Format	Color
R_{YB}	131, 0, 224
Decimal	8585440
CIE Lab	38.21, 77.07, -80.20
CIE LCh	38, 111.226, 313.859
Yxy	10.2071, 0.2187, 0.0979
Android (android.graphics.Color)	4286775520 (0xFF8300E0)
YUV	64.7050, 78.5324, 58.1407
Hunter-Lab	31.9486, 71.5577, -109.9333

Details

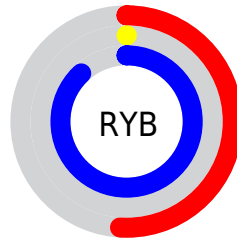
The XYZ color **22.8146, 10.2071, 71.2887** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **31.1696, 55.6385, 9.0965**, and the grayscale version is **4.8644, 5.1177, 5.5732**.

A 20% lighter version of the original color is **42.7307, 24.3113, 97.0481**, and **9.2898, 3.9833, 36.8384** is the 20% darker color. If you saturate the color by 10%, you get **22.8153, 10.2075, 71.2890**, and if you desaturate by 10%, it is **24.6157, 11.5729, 71.4577**.

Distribution



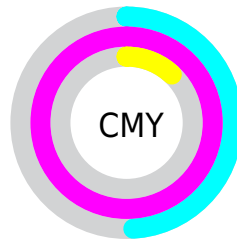
- Red (51%)
- Green (0%)
- Blue (88%)



- Red (51%)
- Yellow (0%)
- Blue (88%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8146, 10.2071, 71.2887 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 22.8146, 10.2071, 71.2887 by changing the saturation by 10% instead.

■ 22.8146, 10.2071,
71.2887

■ 22.8146, 10.2071,
71.2887

259.3245,
192.1439, 483.9729

■ 14.5766, 5.5365,
52.0946

■ 47.5576, 26.1843,
122.7430

■ 8.6072, 2.5653,
36.6977

■ 64.7934, 38.2597,
155.8402

■ 4.5409, 0.9093,
24.6796

■ 85.7591, 53.5721,
194.4089

■ 2.0125, 0.0000,
15.6216

■ 110.8201, 72.5060,
238.8676

■ 0.6409, 0.0000,
9.1054

■ 140.3418, 95.4457,
289.6348

■ 0.0000, 0.0000,
4.7122

■ 174.6895,

■ 0.0000, 0.0000,

122.7757, 347.1290

2.0237

214.2286,
154.8803, 411.7689

■ 0.0000, 0.0000,
0.5698

■ 0.0000, 0.0000,
0.0000

■ 22.8146, 10.2071,
71.2887

■ 22.8146, 10.2071,
71.2887

■ 22.8153, 10.2075,
71.2890

■ 24.6157, 11.5729,
71.4577

■ 26.8902, 13.6898,
71.7464

■ 29.7525, 16.7810,
72.1922

■ 33.2687, 20.9740,
72.8162

■ 37.4949, 26.3764,
73.6362

■ 42.4802, 33.0827,
74.6679

■ 48.2691, 41.1776,
75.9253

■ 54.9025, 50.7386,
77.4211

■ 62.4180, 61.8374,
79.1673

Harmonies

Analogous

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



13.4128, 10.2071, 111.2785



22.8146, 10.2071, 71.2887



30.0212, 10.2071, 26.1945

Triad

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



22.8146, 10.2071, 71.2887



14.0849, 10.2071, 0.0000



1.5096, 10.2071, 23.5844

Complementary

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



22.8146, 10.2071, 71.2887



31.1696, 55.6385, 9.0965

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.



1.5512, 10.2071, 3.3305



22.8146, 10.2071, 71.2887



6.7470, 10.2071, 0.0000

Square

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



22.8146, 10.2071, 71.2887



23.5112, 10.2071, 0.0000



2.9203, 10.2071, 0.0000



2.7486, 10.2071, 67.5022

Rectangle

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



22.8146, 10.2071, 71.2887



31.1274, 10.2071, 8.6514



2.9203, 10.2071, 0.0000



1.4045, 10.2071, 14.0040

Sweetspot

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



22.8153, 10.2075, 71.2890



64.5755, 54.9863, 101.8177



17.3983, 13.2692, 72.1655



13.0892, 10.7359, 21.6323



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.



22.8153, 10.2075, 71.2890



30.4689, 13.6222, 95.6312



41.8004, 20.2713, 59.6786



13.7163, 13.6373, 17.2970



13.4138, 6.0104, 41.5015



1.0310, 0.4688, 2.8814

Inverse Universe

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



32.7162, 16.6376, 11.8421



43.8346, 22.2978, 15.5928



26.7705, 53.3574, 9.4893



13.9420, 13.7945, 15.4650



19.0974, 9.7060, 7.1785



1.3675, 0.6903, 0.7283

Previews

White Background



This preview shows how the XYZ color 22.8146, 10.2071, 71.2887 looks on a white background.

Color Contrast Check

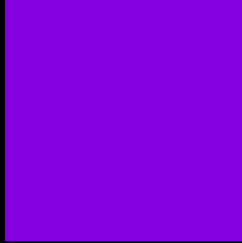
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.8146, 10.2071, 71.2887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

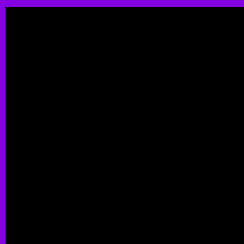
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8146, 10.2071, 71.2887

Background



This preview shows how black text looks on a background with the XYZ color 22.8146, 10.2071, 71.2887.



This preview shows how white text looks on a background with the XYZ color 22.8146, 10.2071, 71.2887.

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

22.8146, 10.2071, 71.2887

Protanopia

12.4353, 10.6899, 47.8623

Deuteranopia

10.3479, 10.5435, 34.7474



Tritanopia

11.0221, 10.5081, 12.0370

Trichromacy



Original Color

22.8146, 10.2071, 71.2887



Protanomaly

13.1074, 7.7248, 55.4438



Deuteranomaly

11.3820, 7.2790, 45.6048



Tritanomaly

12.9840, 8.1662, 26.0912

Monochromacy



Original Color

22.8146, 10.2071, 71.2887



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.4879, 5.1398, 19.2836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8146, 10.2071, 71.2887 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(131, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 224)  
}
```

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(131, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 22.8146, 10.2071, 71.2887 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(131, 0, 224) }
```


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

```
.border{ border-color:rgb(131, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(131, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8146, 10.2071, 71.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 224) }
```

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

```
.background{ background-color: rgb(131, 0,  
224) }
```

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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