

Converting Colors

XYZ(22.1894, 10.1443, 59.5320)

Have a look what the booklet for
XYZ(22.1894, 10.1443, 59.5320)
contains.

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Color

**XYZ(22.2470, 10.1677,
59.8215)**

Conversions

Conversions Part 1

Format	Color
Hex	8D00CF
RGB	141, 0, 207
RGB Percent	55%, 0%, 81%
CMY	0.4470, 1.0000, 0.1882
CMYK	0.32, 1.00, 0.00, 0.19
HSL	281°, 100%, 41%
HSV	281°, 100%, 81%
XYZ	22.2470, 10.1677, 59.8215
YIQ	65.7570, 17.5890, 94.2690

Conversions

Conversions Part 2

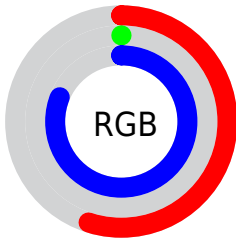
Format	Color
RYB	141, 0, 207
Decimal	9240783
CIELab	38.14, 74.77, -70.46
CIELCh	38, 102.737, 316.701
Yxy	10.1677, 0.2412, 0.1102
Android (android.graphics.Color)	4287430863 (0xFF8D00CF)
YUV	65.7570, 69.6328, 65.9881
Hunter-Lab	31.8868, 68.7350, -88.9106

Details

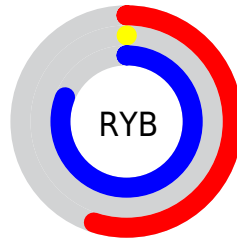
The XYZ color **22.2470, 10.1677, 59.8215** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **24.5596, 45.7840, 7.5428**, and the grayscale version is **5.0354, 5.2976, 5.7691**.

A 20% lighter version of the original color is **44.8118, 25.3842, 97.1455**, and **9.0656, 4.0282, 29.5779** is the 20% darker color. If you saturate the color by 10%, you get **22.2475, 10.1680, 59.8217**, and if you desaturate by 10%, it is **23.6663, 11.2894, 59.9634**.

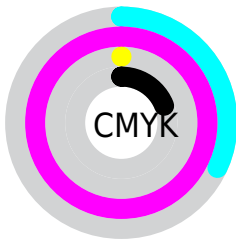
Distribution



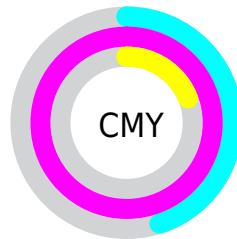
- Red (55%)
- Green (0%)
- Blue (81%)



- Red (55%)
- Yellow (0%)
- Blue (81%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (45%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2470, 10.1677, 59.8215 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 22.2470, 10.1677, 59.8215 by changing the saturation by 10% instead.

■ 22.2470, 10.1677,
59.8215

■ 22.2470, 10.1677,
59.8215

256.4417,
191.8648, 441.7259

■ 14.1561, 5.5103,
42.8504

■ 46.6297, 26.1105,
106.1115

■ 8.3118, 2.5497,
29.4372

■ 63.6523, 38.1646,
136.2675

■ 4.3486, 0.9014,
19.1634

■ 84.3827, 53.4531,
171.6556

■ 1.9012, 0.0000,
11.6104

■ 109.1865, 72.3603,
212.6943

■ 0.5775, 0.0000,
6.3597

■ 138.4289, 95.2707,
259.8021

■ 0.0000, 0.0000,
2.9927

■ 172.4754,

■ 0.0000, 0.0000,

122.5687, 313.3976

1.0909

211.6912,
154.6386, 373.8994

■ 0.0000, 0.0000,
0.0000

■ 22.2470, 10.1677,
59.8215

■ 22.2470, 10.1677,
59.8215

■ 22.2475, 10.1680,
59.8217

■ 23.6663, 11.2894,
59.9634

■ 25.4345, 13.0087,
60.2021

■ 27.6488, 15.5179,
60.5697

■ 30.3621, 18.9206,
61.0835

■ 33.6188, 23.3045,
61.7580

■ 37.4583, 28.7466,
62.6061

■ 41.9158, 35.3160,
63.6392

■ 47.0236, 43.0759,
64.8678

■ 52.8118, 52.0848,
66.3016

Harmonies

Analogous

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



13.8155, 10.1677, 95.9587



22.2470, 10.1677, 59.8215



28.1666, 10.1677, 21.7880

Triad

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



22.2470, 10.1677, 59.8215



12.9075, 10.1677, 0.0000



1.8694, 10.1677, 25.2479

Complementary

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



22.2470, 10.1677, 59.8215



24.5596, 45.7840, 7.5428

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.



1.8046, 10.1677, 4.6115



22.2470, 10.1677, 59.8215



6.4407, 10.1677, 0.0000

Square

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



22.2470, 10.1677, 59.8215



21.3260, 10.1677, 0.0000



3.0334, 10.1677, 0.0000



3.2876, 10.1677, 64.6714

Rectangle

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



22.2470, 10.1677, 59.8215



28.6904, 10.1677, 7.3300



3.0334, 10.1677, 0.0000



1.7225, 10.1677, 15.9073

Sweetspot

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



22.2476, 10.1680, 59.8218



66.8992, 56.1842, 101.9264



13.3907, 8.7614, 60.0171



13.6434, 11.0216, 21.6582



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.



22.2476, 10.1680, 59.8218



35.4385, 16.1841, 95.8638



33.2268, 16.2633, 40.6701



11.9290, 11.8122, 14.8949



14.1190, 6.4589, 37.6950



0.8700, 0.4027, 2.1114

Inverse Universe

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



26.7156, 13.6588, 6.3824



42.7365, 21.8586, 9.8106



22.6089, 44.7442, 8.9965



11.9618, 11.8695, 13.0748



16.8703, 8.6209, 4.2230



0.9792, 0.4964, 0.4253

Previews

White Background



This preview shows how the XYZ color 22.2470, 10.1677, 59.8215 looks on a white background.

Color Contrast Check

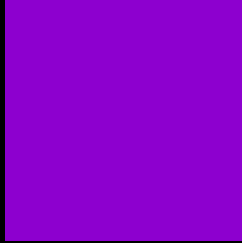
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2470, 10.1677, 59.8215 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 22.2470, 10.1677, 59.8215

Background



This preview shows how black text looks on a background with the XYZ color 22.2470, 10.1677, 59.8215.



This preview shows how white text looks on a background with the XYZ color 22.2470, 10.1677,

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

22.2470, 10.1677, 59.8215

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.5243, 10.6140, 35.6764



Tritanopia

12.4085, 10.5660, 10.4023

Trichromacy



Original Color

22.2470, 10.1677, 59.8215



Protanomaly

12.5660, 7.5251, 51.8291



Deuteranomaly

11.0170, 7.1499, 42.9189



Tritanomaly

14.2268, 8.6839, 22.3990

Monochromacy



Original Color

22.2470, 10.1677, 59.8215



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.5531, 5.2674, 17.3955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2470, 10.1677, 59.8215 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(141, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 207)  
}
```

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(141, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 22.2470, 10.1677, 59.8215 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(141, 0, 207) }
```


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

```
.border{ border-color:rgb(141, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(141, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2470, 10.1677, 59.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 207) }
```

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

```
.background{ background-color: rgb(141, 0,  
207) }
```

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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