

Converting Colors

XYZ(21.9390, 10.0368, 58.5475)

Have a look what the booklet for
XYZ(21.9390, 10.0368, 58.5475)
contains.

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Color

**XYZ(22.0040, 10.0705,
58.5417)**

Conversions

Conversions Part 1

Format	Color
Hex	8D00CD
RGB	141, 0, 205
RGB Percent	55%, 0%, 80%
CMY	0.4470, 1.0000, 0.1961
CMYK	0.31, 1.00, 0.00, 0.20
HSL	281°, 100%, 40%
HSV	281°, 100%, 80%
XYZ	22.0040, 10.0705, 58.5417
YIQ	65.5290, 18.2310, 93.6470

Conversions

Conversions Part 2

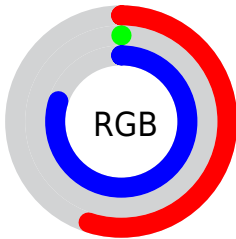
Format	Color
R_{YB}	141, 0, 205
Decimal	9240781
CIE _{Lab}	37.97, 74.39, -69.58
CIE _{LCh}	38, 101.859, 316.914
Yxy	10.0705, 0.2428, 0.1111
Android (android.graphics.Color)	4287430861 (0xFF8D00CD)
YUV	65.5290, 68.7592, 66.1881
Hunter-Lab	31.7341, 68.2351, -87.1620

Details

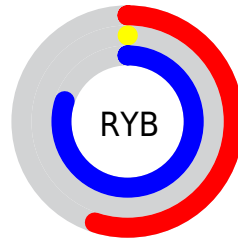
The XYZ color **22.0040, 10.0705, 58.5417** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **23.9457, 44.7528, 7.3761**, and the grayscale version is **5.0018, 5.2623, 5.7307**.

A 20% lighter version of the original color is **44.8118, 25.3842, 97.1455**, and **8.9045, 3.9638, 28.7295** is the 20% darker color. If you saturate the color by 10%, you get **22.0045, 10.0708, 58.5419**, and if you desaturate by 10%, it is **23.3836, 11.1664, 58.6807**.

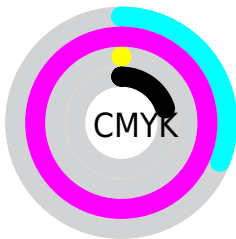
Distribution



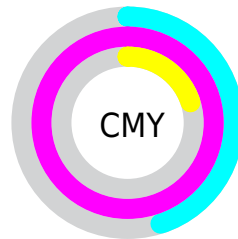
- Red (55%)
- Green (0%)
- Blue (80%)



- Red (55%)
- Yellow (0%)
- Blue (80%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (45%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0040, 10.0705, 58.5417 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 22.0040, 10.0705, 58.5417 by changing the saturation by 10% instead.

■ 22.0040, 10.0705,
58.5417

■ 22.0040, 10.0705,
58.5417

■ 255.1991,
191.1745, 436.8559

■ 13.9765, 5.4457,
41.8267

■ 46.2314, 25.9280,
104.2338

■ 8.1859, 2.5111,
28.6411

■ 63.1620, 37.9296,
134.0481

■ 4.2669, 0.8822,
18.5662

■ 83.7910, 53.1588,
169.0658

■ 1.8542, 0.0000,
11.1836

■ 108.4837, 72.0002,
209.7056

■ 0.5500, 0.0000,
6.0748

■ 137.6055, 94.8380,
256.3859

■ 0.0000, 0.0000,
2.8211

■ 171.5218,

■ 0.0000, 0.0000,

122.0567, 309.5254

1.0040

210.5979,
154.0408, 369.5426

■ 0.0000, 0.0000,
0.0000

■ 22.0040, 10.0705,
58.5417

■ 22.0040, 10.0705,
58.5417

■ 22.0045, 10.0708,
58.5419

■ 23.3836, 11.1664,
58.6807

■ 25.1014, 12.8445,
58.9141

■ 27.2529, 15.2936,
59.2734

■ 29.8894, 18.6149,
59.7755

■ 33.0544, 22.8939,
60.4347

■ 36.7861, 28.2058,
61.2633

■ 41.1190, 34.6180,
62.2726

■ 46.0845, 42.1922,
63.4728

■ 51.7119, 50.9853,
64.8735

Harmonies

Analogous

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



13.7155, 10.0705, 94.0959



22.0040, 10.0705, 58.5417



27.7846, 10.0705, 21.3061

Triad

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



22.0040, 10.0705, 58.5417



12.7102, 10.0705, 0.0000



1.8779, 10.0705, 25.1320

Complementary

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



22.0040, 10.0705, 58.5417



23.9457, 44.7528, 7.3761

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.



1.8055, 10.0705, 4.6657



22.0040, 10.0705, 58.5417



6.3599, 10.0705, 0.0000

Square

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



22.0040, 10.0705, 58.5417



20.9858, 10.0705, 0.0000



3.0125, 10.0705, 0.0000



3.2957, 10.0705, 63.8917

Rectangle

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



22.0040, 10.0705, 58.5417



28.2657, 10.0705, 7.1765



3.0125, 10.0705, 0.0000



1.7293, 10.0705, 15.8959

Sweetspot

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



22.0046, 10.0708, 58.5419



67.0632, 56.2687, 101.9341



12.9051, 8.1790, 58.6564



13.6827, 11.0419, 21.6601



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.



22.0046, 10.0708, 58.5419



35.8176, 16.3795, 95.8815



32.1907, 15.7847, 38.1119



11.3336, 11.2213, 14.1389



13.8002, 6.3218, 36.4491



0.7878, 0.3653, 1.8839

Inverse Universe

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



26.1023, 13.3494, 6.0512



42.6735, 21.8334, 9.4786



22.1746, 43.8001, 9.0843



11.3542, 11.2704, 12.3997



16.2876, 8.3256, 3.9673



0.8746, 0.4432, 0.3854

Previews

White Background



This preview shows how the XYZ color 22.0040, 10.0705, 58.5417 looks on a white background.

Color Contrast Check

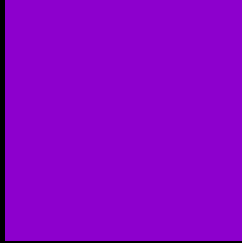
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0040, 10.0705, 58.5417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

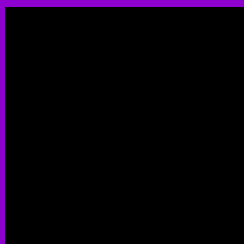
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0040, 10.0705, 58.5417

Background



This preview shows how black text looks on a background with the XYZ color 22.0040, 10.0705, 58.5417.



This preview shows how white text looks on a background with the XYZ color 22.0040, 10.0705,

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

22.0040, 10.0705, 58.5417

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.4357, 10.5786, 35.2101



Tritanopia

12.2941, 10.4023, 10.1640

Trichromacy



Original Color

22.0040, 10.0705, 58.5417

Protanomaly

12.4051, 7.3824, 51.2232

Deuteranomaly

10.9169, 7.1098, 42.3919

Tritanomaly

14.0484, 8.5418, 21.6772

Monochromacy



Original Color

22.0040, 10.0705, 58.5417

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 22.0040, 10.0705, 58.5417 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.0040, 10.0705, 58.5417 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, 205) }
```


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

```
.border{ border-color:rgb(141, 0, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0040, 10.0705, 58.5417 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, 205) }
```

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

```
.background{ background-color: rgb(141, 0,  
205) }
```

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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