

Converting Colors

XYZ(22.1958, 10.9453, 23.4947)

Have a look what the booklet for
XYZ(22.1958, 10.9453, 23.4947)
contains.

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Color

**XYZ(22.2076, 10.9513,
23.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	B00086
RGB	176, 0, 134
RGB Percent	69%, 0%, 53%
CMY	0.3098, 0.9999, 0.4745
CMYK	0.00, 1.00, 0.24, 0.31
HSL	314°, 100%, 35%
HSV	314°, 100%, 69%
XYZ	22.2076, 10.9513, 23.4976
YIQ	67.9000, 61.8820, 78.9860

Conversions

Conversions Part 2

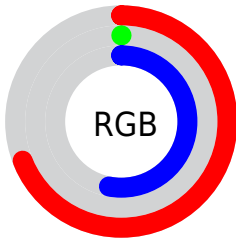
Format	Color
R_{YB}	176, 0, 134
Decimal	11534470
CIE _{Lab}	39.50, 68.74, -24.28
CIE _{LCh}	39, 72.902, 340.548
Yxy	10.9513, 0.3920, 0.1933
Android (android.graphics.Color)	4289724550 (0xFFB00086)
YUV	67.9000, 32.5873, 94.8037
Hunter-Lab	33.0927, 61.8740, -18.9341

Details

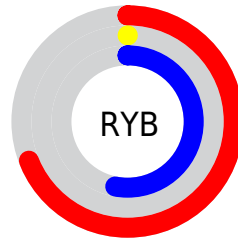
The XYZ color **22.2076, 10.9513, 23.4976** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **15.9440, 31.2184, 7.3780**, and the grayscale version is **5.4228, 5.7052, 6.2130**.

A 20% lighter version of the original color is **46.6550, 27.6072, 49.8834**, and **9.0714, 4.4916, 8.7764** is the 20% darker color. If you saturate the color by 10%, you get **22.2074, 10.9513, 23.4958**, and if you desaturate by 10%, it is **22.7169, 11.4914, 25.1418**.

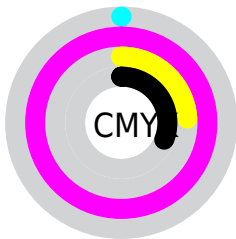
Distribution



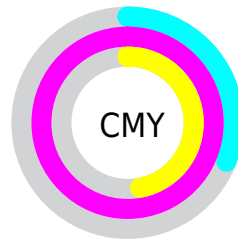
- Red (69%)
- Green (0%)
- Blue (53%)



- Red (69%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2076, 10.9513, 23.4976 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 22.2076, 10.9513, 23.4976 by changing the saturation by 10% instead.

■ 22.2076, 10.9513,
23.4976

■ 22.2076, 10.9513,
23.4976

256.2405,
197.3331, 283.4749

■ 14.1270, 6.0341,
14.7526

■ 46.5652, 27.5701,
50.1426

■ 8.2913, 2.8658,
8.5013

■ 63.5728, 40.0404,
68.8797

■ 4.3353, 1.0621,
4.3250

■ 84.2869, 55.7973,
91.7846

■ 1.8935, 0.0000,
1.8053

■ 109.0727, 75.2251,
119.2758

■ 0.5731, 0.0000,
0.4314

■ 138.2956, 98.7082,
151.7719

■ 0.0000, 0.0000,
0.0000

■ 172.3210,

126.6309, 189.6915

211.5142,
159.3778, 233.4529

■ 22.2076, 10.9513,
23.4976

■ 22.2076, 10.9513,
23.4976

■ 22.2074, 10.9513,
23.4958

■ 22.7169, 11.4914,
25.1418

■ 23.4249, 12.4104,
26.9103

■ 24.4049, 13.8543,
28.8281

■ 25.6912, 15.8914,
30.9074

■ 27.3128, 18.5799,
33.1584

■ 29.2955, 21.9708,
35.5903

■ 31.6623, 26.1101,
38.2114

■ 34.4344, 31.0399,
41.0294

■ 37.6313, 36.7992,
44.0513

Harmonies

Analogous

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



17.9020, 10.9513, 46.9362



22.2076, 10.9513, 23.4976



22.8473, 10.9513, 7.5984

Triad

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



22.2076, 10.9513, 23.4976



8.7622, 10.9513, 0.0000



4.7230, 10.9513, 39.8659

Complementary

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



22.2076, 10.9513, 23.4976



15.9440, 31.2184, 7.3780

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.



3.5763, 10.9513, 17.6416



22.2076, 10.9513, 23.4976



5.3671, 10.9513, 0.8883

Square

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



22.2076, 10.9513, 23.4976



13.9105, 10.9513, 0.0000



3.7672, 10.9513, 4.9561



7.5505, 10.9513, 60.5054

Rectangle

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



22.2076, 10.9513, 23.4976



20.9435, 10.9513, 2.7435



3.7672, 10.9513, 4.9561



4.1761, 10.9513, 31.8329

Sweetspot

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



22.2080, 10.9519, 23.4978



57.1755, 46.9155, 69.0380



8.7545, 3.6082, 41.3097



11.9931, 9.4687, 14.5307



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2080, 10.9519, 23.4978



40.1839, 19.8248, 42.1251



18.4169, 9.4355, 3.5345



8.7616, 8.6114, 10.2429



16.3175, 8.0446, 17.3637



0.5345, 0.2615, 0.6571

Inverse Universe

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



22.2080, 10.9519, 23.4978



40.1839, 19.8248, 42.1251



19.4930, 32.6380, 26.0667



8.7616, 8.6114, 10.2429



16.3175, 8.0446, 17.3637



0.5345, 0.2615, 0.6571

Previews

White Background



This preview shows how the XYZ color 22.2076, 10.9513, 23.4976 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 22.2076, 10.9513, 23.4976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

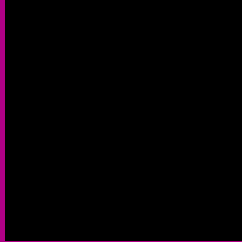
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2076, 10.9513, 23.4976

Background



This preview shows how black text looks on a background with the XYZ color 22.2076, 10.9513, 23.4976.



This preview shows how white text looks on a background with the XYZ color 22.2076, 10.9513,

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

22.2076, 10.9513, 23.4976

Protanopia

13.6865, 11.6633, 50.2451

Deuteranopia

11.8242, 11.6099, 21.0198



Tritanopia

18.5403, 11.3681, 4.8315

Trichromacy



Original Color

22.2076, 10.9513, 23.4976



Protanomaly

12.4758, 7.9150, 38.9004



Deuteranomaly

13.3973, 8.8552, 21.4252



Tritanomaly

19.1855, 10.5548, 9.4136

Monochromacy



Original Color

22.2076, 10.9513, 23.4976



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.8590, 5.6263, 10.7443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2076, 10.9513, 23.4976 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(176, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 134)  
}
```

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(176, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 134) }
```

Border

The CSS property to change the border of an element to XYZ 22.2076, 10.9513, 23.4976 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(176, 0, 134) }
```


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

```
.border{ border-color:rgb(176, 0, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2076, 10.9513, 23.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 134) }
```

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

```
.background{ background-color: rgb(176, 0,  
134) }
```

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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