

Converting Colors

XYZ(22.1029, 10.9754, 19.9689)

Have a look what the booklet for
XYZ(22.1029, 10.9754, 19.9689)
contains.

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Color

**XYZ(21.9982, 10.9202,
20.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	B2007C
RGB	178, 0, 124
RGB Percent	70%, 0%, 49%
CMY	0.3020, 0.9999, 0.5137
CMYK	0.00, 1.00, 0.30, 0.30
HSL	318°, 100%, 35%
HSV	318°, 100%, 70%
XYZ	21.9982, 10.9202, 20.0172
YIQ	67.3580, 66.2840, 76.3000

Conversions

Conversions Part 2

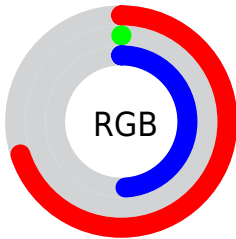
Format	Color
RYB	178, 0, 124
Decimal	11665532
CIELab	39.45, 68.00, -18.13
CIELCh	39, 70.371, 345.074
Yxy	10.9202, 0.4156, 0.2063
Android (android.graphics.Color)	4289855612 (0xFFB2007C)
YUV	67.3580, 27.9245, 97.0330
Hunter-Lab	33.0457, 60.9956, -12.7825

Details

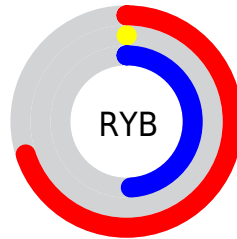
The XYZ color **21.9982, 10.9202, 20.0172** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **16.5872, 32.1076, 8.8163**, and the grayscale version is **5.3437, 5.6220, 6.1224**.

A 20% lighter version of the original color is **46.2890, 27.5380, 44.4706**, and **9.0157, 4.5011, 7.0502** is the 20% darker color. If you saturate the color by 10%, you get **21.9978, 10.9201, 20.0147**, and if you desaturate by 10%, it is **22.5628, 11.4876, 21.9371**.

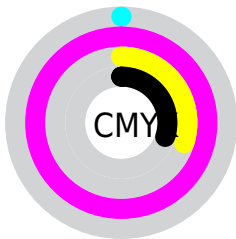
Distribution



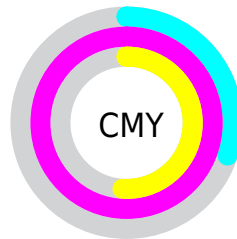
- Red (70%)
- Green (0%)
- Blue (49%)



- Red (70%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9982, 10.9202, 20.0172 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 21.9982, 10.9202, 20.0172 by changing the saturation by 10% instead.


 21.9982, 10.9202,
20.0172


 21.9982, 10.9202,
20.0172


255.1694,
197.1193, 264.6155


 13.9722, 6.0132,
12.2233


 46.2219, 27.5125,
44.3054


 8.1829, 2.8531,
6.7716

 63.1503, 39.9666,
61.6368

 4.2650, 1.0555,
3.2434

 83.7768, 55.7052,
82.9844


 1.8531, 0.0000,
1.2202

 108.4669, 75.1127,
108.7669

 0.5494, 0.0000,
0.0000

 137.5858, 98.5734,
139.4027

 0.0000, 0.0000,
0.0000

 171.4990,

126.4718, 175.3104

210.5717,
159.1923, 216.9085

■ 21.9982, 10.9202,
20.0172

■ 21.9982, 10.9202,
20.0172

■ 21.9978, 10.9201,
20.0147

■ 22.5628, 11.4876,
21.9371

■ 23.3390, 12.4479,
24.0212

■ 24.4013, 13.9496,
26.2958

■ 25.7853, 16.0632,
28.7741

■ 27.5209, 18.8485,
31.4675

■ 29.6348, 22.3581,
34.3862

■ 32.1508, 26.6393,
37.5393

■ 35.0907, 31.7355,
40.9354

■ 38.4750, 37.6868,
44.5826

Harmonies

Analogous

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



18.3182, 10.9202, 41.7439



21.9982, 10.9202, 20.0172



21.9881, 10.9202, 6.2854

Triad

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



21.9982, 10.9202, 20.0172



8.1728, 10.9202, 0.0042



5.1575, 10.9202, 41.8544

Complementary

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



21.9982, 10.9202, 20.0172



16.5872, 32.1076, 8.8163

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.



3.8048, 10.9202, 20.1097



21.9982, 10.9202, 20.0172



5.1471, 10.9202, 1.3162

Square

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



21.9982, 10.9202, 20.0172



12.9246, 10.9202, 0.0009



3.8016, 10.9202, 6.3281



8.1923, 10.9202, 59.5883

Rectangle

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



21.9982, 10.9202, 20.0172



19.8365, 10.9202, 2.2841



3.8016, 10.9202, 6.3281



4.5386, 10.9202, 34.2615

Sweetspot

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



21.9985, 10.9208, 20.0174



58.0409, 47.8579, 67.7591



9.5264, 3.9832, 42.3863



12.4210, 9.8541, 14.4743



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.9985, 10.9208, 20.0174



39.7848, 19.7601, 35.7335



18.6731, 9.5906, 2.5058



8.7380, 8.6019, 10.1188



15.7685, 7.8250, 14.4730



0.5206, 0.2560, 0.5841

Inverse Universe

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



21.9985, 10.9208, 20.0174



39.7848, 19.7601, 35.7335



20.8337, 33.8062, 31.1782



8.7380, 8.6019, 10.1188



15.7685, 7.8250, 14.4730



0.5206, 0.2560, 0.5841

Previews

White Background



This preview shows how the XYZ color 21.9982, 10.9202, 20.0172 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



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 21.9982, 10.9202, 20.0172

Background



This preview shows how black text looks on a background with the XYZ color 21.9982, 10.9202, 20.0172.



This preview shows how white text looks on a background with the XYZ color 21.9982, 10.9202,

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

21.9982, 10.9202, 20.0172

Protanopia

13.2663, 11.7331, 43.1605

Deuteranopia

11.7861, 11.5226, 18.1259



Tritanopia

18.9294, 11.3199, 4.3192

Trichromacy



Original Color

21.9982, 10.9202, 20.0172

Protanomaly

12.7725, 8.1932, 33.2560

Deuteranomaly

13.3512, 8.8198, 18.4515

Tritanomaly

19.5443, 10.6440, 8.2321

Monochromacy



Original Color

21.9982, 10.9202, 20.0172

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.6887, 5.5581, 9.8474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9982, 10.9202, 20.0172 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(178, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 124)  
}
```

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(178, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.9982, 10.9202, 20.0172 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(178, 0, 124) }
```


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

```
.border{ border-color:rgb(178, 0, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9982, 10.9202, 20.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 124) }
```

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

```
.background{ background-color: rgb(178, 0,  
124) }
```

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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