

Converting Colors

XYZ(22.1307, 12.4681, 21.1537)

Have a look what the booklet for
XYZ(22.1307, 12.4681, 21.1537)
contains.

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Color

**XYZ(22.0809, 12.4496,
21.3179)**

Conversions

Conversions Part 1

Format	Color
Hex	AD2F7F
RGB	173, 47, 127
RGB Percent	68%, 18%, 50%
CMY	0.3216, 0.8157, 0.5020
CMYK	0.00, 0.73, 0.27, 0.32
HSL	322°, 57%, 43%
HSV	322°, 73%, 68%
XYZ	22.0809, 12.4496, 21.3179
YIQ	93.7940, 49.4160, 51.5920

Conversions

Conversions Part 2

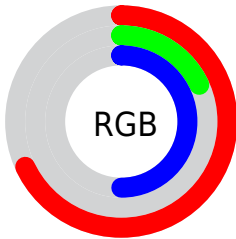
Format	Color
RYB	173, 47, 127
Decimal	11349887
CIELab	41.92, 57.71, -16.27
CIELCh	42, 59.957, 344.256
Yxy	12.4496, 0.3954, 0.2229
Android (android.graphics.Color)	4289539967 (0xFFAD2F7F)
YUV	93.7940, 16.3706, 69.4637
Hunter-Lab	35.2840, 49.9592, -11.1231

Details

The XYZ color **22.0809, 12.4496, 21.3179** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **18.0924, 31.2823, 15.4422**, and the grayscale version is **10.5460, 11.0952, 12.0827**.

A 20% lighter version of the original color is **46.4672, 30.3517, 46.5894**, and **8.5776, 4.2631, 7.5785** is the 20% darker color. If you saturate the color by 10%, you get **21.1224, 11.1708, 19.0307**, and if you desaturate by 10%, it is **23.3400, 14.2881, 23.8329**.

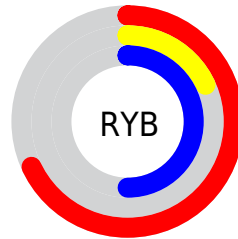
Distribution



Red (68%)

Green (18%)

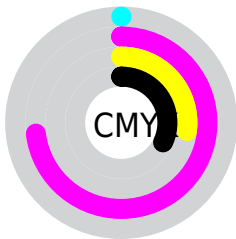
Blue (50%)



Red (68%)

Yellow (18%)

Blue (50%)

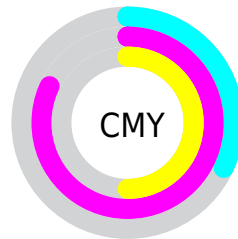


Cyan (0%)

Magenta (73%)

Yellow (27%)

Black (32%)



Cyan (32%)

Magenta (82%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0809, 12.4496, 21.3179 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 22.0809, 12.4496, 21.3179 by changing the saturation by 10% instead.

■ 22.0809, 12.4496,
21.3179

■ 22.0809, 12.4496,
21.3179

■ 255.5929,
207.3595, 271.7995

■ 14.0333, 7.0507,
13.1631

■ 46.3575, 30.3114,
46.5036

■ 8.2257, 3.4938,
7.4089

■ 63.3173, 43.5430,
64.3717

■ 4.2927, 1.3946,
3.6368

■ 83.9784, 60.1542,
86.3145

■ 1.8690, 0.2128,
1.4283

■ 108.7063, 80.5296,
112.7506

■ 0.5587, 0.0000,
0.1636

■ 137.8664,
105.0534, 144.0987

■ 0.0000, 0.0000,
0.0000

■ 171.8239,

134.1100, 180.7771

210.9443,
168.0839, 223.2045

■ 22.0809, 12.4496,
21.3179

■ 22.0809, 12.4496,
21.3179

■ 21.1224, 11.1708,
19.0307

■ 23.3400, 14.2881,
23.8329

■ 20.4284, 10.3805,
16.9565

■ 24.9281, 16.7425,
26.5870

■ 20.0393, 10.0065,
15.5809

■ 26.8711, 19.8643,
29.5913

■ 29.1923, 23.6988,
32.8556

■ 31.9127, 28.2875,
36.3889

■ 35.0516, 33.6686,
40.1999

■ 38.6274, 39.8779,
44.2965

■ 42.6569, 46.9487,
48.6865

■ 47.1564, 54.9127,
53.3770

Harmonies

Analogous

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



18.8351, 12.4496, 39.6393



22.0809, 12.4496, 21.3179



22.1678, 12.4496, 8.3881

Triad

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



22.0809, 12.4496, 21.3179



9.8553, 12.4496, 0.9908



6.7171, 12.4496, 38.7300

Complementary

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



22.0809, 12.4496, 21.3179



18.0924, 31.2823, 15.4422

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.



5.3444, 12.4496, 20.5007



22.0809, 12.4496, 21.3179



6.8250, 12.4496, 2.5103

Square

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



22.0809, 12.4496, 21.3179



14.3001, 12.4496, 1.0198



5.3782, 12.4496, 7.9514



9.6673, 12.4496, 53.2493

Rectangle

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



22.0809, 12.4496, 21.3179



20.3703, 12.4496, 3.9336



5.3782, 12.4496, 7.9514



6.0928, 12.4496, 32.4664

Sweetspot

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



22.0813, 12.4502, 21.3181



57.3871, 51.0582, 65.4627



12.8845, 7.2803, 40.2615



12.1789, 10.5991, 13.8574



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.0813, 12.4502, 21.3181



37.0680, 19.1024, 31.9233



19.2311, 11.3102, 6.3093



8.2111, 8.0977, 9.4225



14.7500, 7.3625, 11.5946



0.4354, 0.2148, 0.4546

Inverse Universe

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



22.0813, 12.4502, 21.3181



37.0680, 19.1024, 31.9233



21.9575, 32.8283, 35.7954



8.2111, 8.0977, 9.4225



14.7500, 7.3625, 11.5946



0.4354, 0.2148, 0.4546

Previews

White Background



This preview shows how the XYZ color 22.0809, 12.4496, 21.3179 looks on a white background.

Color Contrast Check

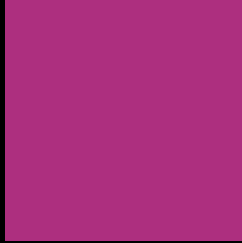
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0809, 12.4496, 21.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

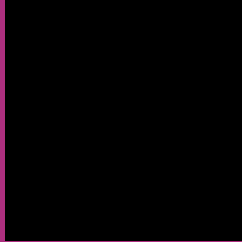
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0809, 12.4496, 21.3179

Background



This preview shows how black text looks on a background with the XYZ color 22.0809, 12.4496, 21.3179.



This preview shows how white text looks on a background with the XYZ color 22.0809, 12.4496,

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

22.0809, 12.4496, 21.3179

Protanopia

13.9069, 12.8684, 37.3482

Deuteranopia

13.0134, 12.8008, 19.5542



Tritanopia

19.0252, 12.4090, 6.8613

Trichromacy



Original Color

22.0809, 12.4496, 21.3179

Protanomaly

14.6886, 11.0775, 30.6422

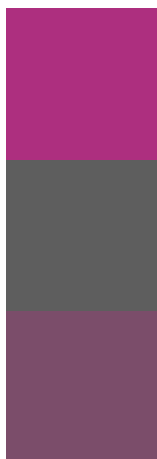
Deuteranomaly

15.1235, 11.5341, 20.1681

Tritanomaly

19.8938, 12.2934, 10.7755

Monochromacy



Original Color

22.0809, 12.4496, 21.3179

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.4238, 10.5593, 14.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0809, 12.4496, 21.3179 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(173, 47, 127)` looks like.

```
.text, #text, p{  
    color:rgb(173, 47, 127)  
}
```

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(173, 47, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 47, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.0809, 12.4496, 21.3179 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(173, 47, 127) }
```


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

```
.border{ border-color:rgb(173, 47, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 47, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 47, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 47, 127);  
box-shadow:4px 4px 4px 4px rgb(173, 47,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0809, 12.4496, 21.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 47, 127) }
```

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

```
.background{ background-color: rgb(173, 47,  
127) }
```

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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