

Converting Colors

XYZ(23.9798, 12.2756, 21.8744)

Have a look what the booklet for
XYZ(23.9798, 12.2756, 21.8744)
contains.

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Color

**XYZ(23.9798, 12.2756,
21.8744)**

Conversions

Conversions Part 1

Format	Color
Hex	B81481
RGB	184, 20, 129
RGB Percent	72%, 8%, 51%
CMY	0.2784, 0.9215, 0.4941
CMYK	0.00, 0.89, 0.30, 0.28
HSL	320°, 80%, 40%
HSV	320°, 89%, 72%
XYZ	23.9798, 12.2756, 21.8744
YIQ	81.4620, 62.7550, 68.6670

Conversions

Conversions Part 2

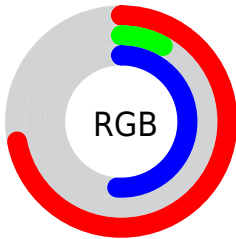
Format	Color
RYB	184, 20, 129
Decimal	12063873
CIELab	41.65, 67.45, -17.74
CIElCh	42, 69.739, 345.265
Yxy	12.2756, 0.4125, 0.2112
Android (android.graphics.Color)	4290253953 (0xFFB81481)
YUV	81.4620, 23.4362, 89.9258
Hunter-Lab	35.0366, 60.8554, -12.4910

Details

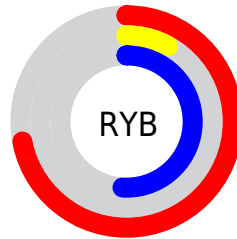
The XYZ color **23.9798, 12.2756, 21.8744** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.7000, 34.9383, 12.4177**, and the grayscale version is **7.8605, 8.2698, 9.0058**.

A 20% lighter version of the original color is **49.4079, 29.9228, 47.4276**, and **10.0522, 5.0148, 8.0276** is the 20% darker color. If you saturate the color by 10%, you get **23.3493, 11.6513, 19.7010**, and if you desaturate by 10%, it is **24.8590, 13.3575, 24.2531**.

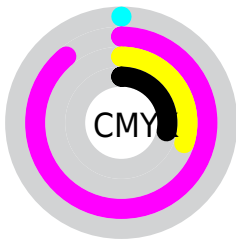
Distribution



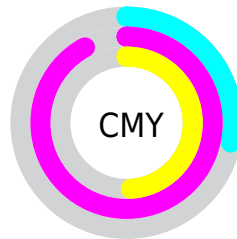
- Red (72%)
- Green (8%)
- Blue (51%)



- Red (72%)
- Yellow (8%)
- Blue (51%)



- Cyan (0%)
- Magenta (89%)
- Yellow (30%)
- Black (28%)




- Cyan (28%)
- Magenta (92%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9798, 12.2756, 21.8744 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 23.9798, 12.2756, 21.8744 by changing the saturation by 10% instead.


 23.9798, 12.2756,
21.8744


 23.9798, 12.2756,
21.8744


265.1607,
206.2214, 274.8217


 15.4433, 6.9317,
13.5672


 49.4521, 29.9961,
47.4378


 9.2194, 3.4194,
7.6850


 67.1187, 43.1414,
65.5312


 4.9428, 1.3544,
3.8092

 88.5593, 59.6560,
87.7236

 2.2482, 0.1828,
1.5213

 114.1393, 79.9242,
114.4338

 0.7679, 0.0000,
0.2337

 144.2241,
104.3304, 146.0801

 0.0000, 0.0000,
0.0000

 179.1791,

133.2591, 183.0812

219.3695,
167.0946, 225.8555

■ 23.9798, 12.2756,
21.8744

■ 23.9798, 12.2756,
21.8744

■ 23.3493, 11.6513,
19.7010

■ 24.8590, 13.3575,
24.2531

■ 23.2979, 11.6027,
19.5173

■ 26.0546, 15.0318,
26.8615

■ 27.6050, 17.3747,
29.7145

■ 29.5425, 20.4504,
32.8250

■ 31.8959, 24.3154,
36.2044

■ 34.6909, 29.0209,
39.8632

■ 37.9513, 34.6135,
43.8112

■ 41.6989, 41.1365,
48.0575

■ 45.9542, 48.6303,
52.6107

Harmonies

Analogous

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



20.1296, 12.2756, 44.5546



23.9798, 12.2756, 21.8744



23.9417, 12.2756, 7.2428

Triad

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



23.9798, 12.2756, 21.8744



9.2676, 12.2756, 0.3169



6.0294, 12.2756, 44.9672

Complementary

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



23.9798, 12.2756, 21.8744



18.7000, 34.9383, 12.4177

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.



4.5250, 12.2756, 22.2260



23.9798, 12.2756, 21.8744



5.9881, 12.2756, 1.7335

Square

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



23.9798, 12.2756, 21.8744



14.3487, 12.2756, 0.3052



4.5125, 12.2756, 7.4115



9.3432, 12.2756, 63.2121

Rectangle

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



23.9798, 12.2756, 21.8744



21.6665, 12.2756, 2.8142



4.5125, 12.2756, 7.4115



5.3444, 12.2756, 37.0778

Sweetspot

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



23.9802, 12.2763, 21.8746



63.8137, 54.1870, 73.4208



11.7787, 5.4445, 45.7778



13.3577, 11.0028, 15.3260



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.9802, 12.2763, 21.8746



42.1179, 20.9866, 34.7707



20.5378, 10.8993, 3.7475



9.2494, 9.1101, 10.6608



16.0906, 8.0100, 13.6298



0.5948, 0.2934, 0.6255

Inverse Universe

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



23.9802, 12.2763, 21.8746



42.1179, 20.9866, 34.7707



23.4870, 36.8531, 37.6261



9.2494, 9.1101, 10.6608



16.0906, 8.0100, 13.6298



0.5948, 0.2934, 0.6255

Previews

White Background



This preview shows how the XYZ color 23.9798, 12.2756, 21.8744 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 23.9798, 12.2756, 21.8744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

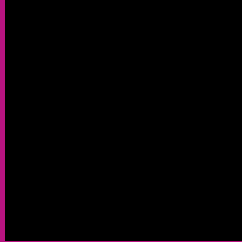
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9798, 12.2756, 21.8744

Background



This preview shows how black text looks on a background with the XYZ color 23.9798, 12.2756, 21.8744.



This preview shows how white text looks on a background with the XYZ color 23.9798, 12.2756,

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

23.9798, 12.2756, 21.8744

Protanopia

14.4188, 12.8154, 45.4297

Deuteranopia

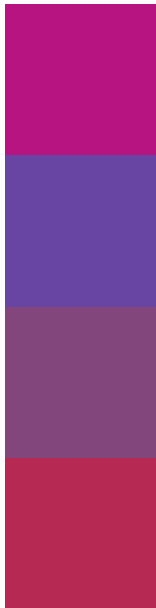
12.9645, 12.7685, 19.8704



Tritanopia

20.5773, 12.4154, 5.0533

Trichromacy



Original Color

23.9798, 12.2756, 21.8744

Protanomaly

14.3586, 9.8079, 35.3188

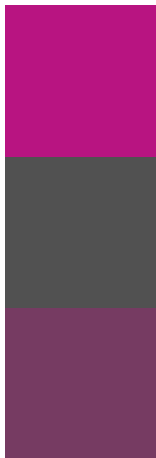
Deuteranomaly

15.0342, 10.5814, 20.3188

Tritanomaly

21.4103, 12.0342, 9.3780

Monochromacy



Original Color

23.9798, 12.2756, 21.8744

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

11.2398, 7.8613, 12.4803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9798, 12.2756, 21.8744 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(184, 20, 129)` looks like.

```
.text, #text, p{  
    color:rgb(184, 20, 129)  
}
```

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(184, 20, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 20, 129) }
```

Border

The CSS property to change the border of an element to XYZ 23.9798, 12.2756, 21.8744 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(184, 20, 129) }
```


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

```
.border{ border-color:rgb(184, 20, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 20, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 20, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 20, 129);  
box-shadow:4px 4px 4px 4px rgb(184, 20,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9798, 12.2756, 21.8744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 20, 129) }
```

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

```
.background{ background-color: rgb(184, 20,  
129) }
```

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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