

Converting Colors

XYZ(21.8794, 11.0242, 12.5474)

Have a look what the booklet for
XYZ(21.8794, 11.0242, 12.5474)
contains.

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Color

**XYZ(21.9718, 11.0722,
12.5344)**

Conversions

Conversions Part 1

Format	Color
Hex	B80062
RGB	184, 0, 98
RGB Percent	72%, 0%, 38%
CMY	0.2784, 0.9999, 0.6157
CMYK	0.00, 1.00, 0.47, 0.28
HSL	328°, 100%, 36%
HSV	328°, 100%, 72%
XYZ	21.9718, 11.0722, 12.5344
YIQ	66.1880, 78.2060, 69.4860

Conversions

Conversions Part 2

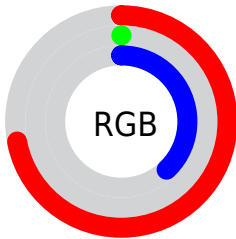
Format	Color
R_{YB}	184, 0, 98
Decimal	12058722
CIE _{Lab}	39.70, 66.77, -1.25
CIE _{LCh}	40, 66.782, 358.924
Yxy	11.0722, 0.4821, 0.2429
Android (android.graphics.Color)	4290248802 (0xFFB80062)
YUV	66.1880, 15.6833, 103.3211
Hunter-Lab	33.2749, 59.6345, 0.9584

Details

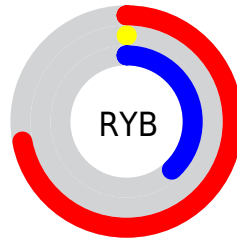
The XYZ color **21.9718, 11.0722, 12.5344** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **18.8218, 34.9535, 14.5652**, and the grayscale version is **5.1781, 5.4477, 5.9326**.

A 20% lighter version of the original color is **46.0947, 27.7371, 30.9413**, and **8.9320, 4.5330, 3.6530** is the 20% darker color. If you saturate the color by 10%, you get **21.9711, 11.0719, 12.5309**, and if you desaturate by 10%, it is **22.6234, 11.6902, 14.8644**.

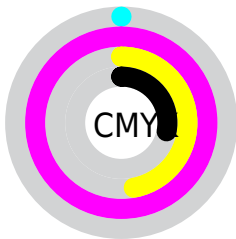
Distribution



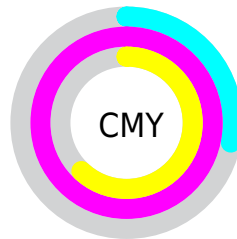
- Red (72%)
- Green (0%)
- Blue (38%)



- Red (72%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9718, 11.0722, 12.5344 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 21.9718, 11.0722, 12.5344 by changing the saturation by 10% instead.


 21.9718, 11.0722,
12.5344


 21.9718, 11.0722,
12.5344


255.0341,
198.1622, 219.0138

 13.9527, 6.1154,
6.9818


 46.1786, 27.7936,
31.1436


 8.1692, 2.9154,
3.3724


 63.0969, 40.3270,
45.0372


 4.2561, 1.0877,
1.2878

 83.7124, 56.1547,
62.5483

 1.8480, 0.0000,
0.0518

 108.3904, 75.6612,
84.0953

 0.5464, 0.0000,
0.0000

 137.4962, 99.2308,
110.0968

 0.0000, 0.0000,
0.0000

 171.3952,

127.2479, 140.9713

210.4527,
160.0969, 177.1375

■ 21.9718, 11.0722,
12.5344

■ 21.9718, 11.0722,
12.5344

■ 21.9711, 11.0719,
12.5309

■ 22.6234, 11.6902,
14.8644

■ 23.5297, 12.7455,
17.5010

■ 24.7701, 14.3950,
20.4770

■ 26.3840, 16.7158,
23.8116

■ 28.4052, 19.7733,
27.5217

■ 30.8632, 23.6248,
31.6226

■ 33.7848, 28.3222,
36.1287

■ 37.1944, 33.9127,
41.0534

■ 41.1148, 40.4401,
46.4091

Harmonies

Analogous

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



19.9790, 11.0722, 30.2546



21.9718, 11.0722, 12.5344



20.2330, 11.0722, 3.5244

Triad

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



21.9718, 11.0722, 12.5344



6.8224, 11.0722, 0.6991



6.6106, 11.0722, 48.9713

Complementary

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



21.9718, 11.0722, 12.5344



18.8218, 34.9535, 14.5652

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.



4.5570, 11.0722, 28.7684



21.9718, 11.0722, 12.5344



4.6521, 11.0722, 3.1761

Square

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



21.9718, 11.0722, 12.5344



10.6896, 11.0722, 0.1176



3.9592, 11.0722, 11.5894



10.3597, 11.0722, 58.7345

Rectangle

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



21.9718, 11.0722, 12.5344



17.4126, 11.0722, 1.2986



3.9592, 11.0722, 11.5894



5.7441, 11.0722, 42.6888

Sweetspot

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



21.9721, 11.0729, 12.5346



60.9481, 50.8609, 65.0511



12.4790, 5.4342, 45.7386



12.6430, 10.1627, 13.2709



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.



21.9721, 11.0729, 12.5346



39.7066, 20.0221, 22.0727



19.8012, 10.2045, 1.1030



9.1991, 9.0900, 10.3959



15.1784, 7.6451, 8.8260



0.5660, 0.2819, 0.4742

Inverse Universe

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



21.9721, 11.0729, 12.5346



39.7066, 20.0221, 22.0727



25.1635, 37.4902, 47.9599



9.1991, 9.0900, 10.3959



15.1784, 7.6451, 8.8260



0.5660, 0.2819, 0.4742

Previews

White Background



This preview shows how the XYZ color 21.9718, 11.0722, 12.5344 looks on a white background.

Color Contrast Check

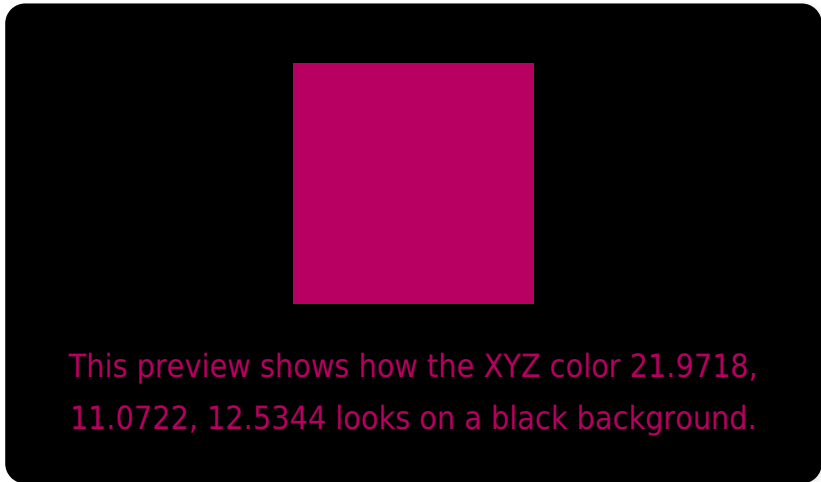
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9718, 11.0722, 12.5344

Background



This preview shows how black text looks on a background with the XYZ color 21.9718, 11.0722, 12.5344.



This preview shows how white text looks on a background with the XYZ color 21.9718, 11.0722,

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

21.9718, 11.0722, 12.5344

Protanopia

12.2933, 11.8568, 26.8400

Deuteranopia

11.9442, 11.7550, 11.3123



Tritanopia

20.1478, 11.4213, 3.0621

Trichromacy



Original Color

21.9718, 11.0722, 12.5344

Protanomaly

12.7887, 8.5639, 20.3810

Deuteranomaly

13.6931, 9.1525, 11.4008

Tritanomaly

20.4546, 10.9666, 5.3136

Monochromacy



Original Color

21.9718, 11.0722, 12.5344

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5098, 5.4572, 7.8126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9718, 11.0722, 12.5344 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, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 98)  
}
```

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, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.9718, 11.0722, 12.5344 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, 0, 98) }
```


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

```
.border{ border-color:rgb(184, 0, 98) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9718, 11.0722, 12.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 98) }
```

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

```
.background{ background-color: rgb(184, 0,  
98) }
```

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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