

Converting Colors

XYZ(24.1345, 11.9972, 21.2144)

Have a look what the booklet for
XYZ(24.1345, 11.9972, 21.2144)
contains.

XYZ(24.0805, 11.9714, 21.1202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.0805, 11.9714,
21.1202)**

Conversions

Conversions Part 1

Format	Color
Hex	BA007F
RGB	186, 0, 127
RGB Percent	73%, 0%, 50%
CMY	0.2706, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.32, 0.27
HSL	319°, 100%, 36%
HSV	319°, 100%, 73%
XYZ	24.0805, 11.9714, 21.1202
YIQ	70.0920, 70.0890, 78.9290

Conversions

Conversions Part 2

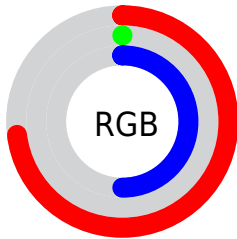
Format	Color
RYB	186, 0, 127
Decimal	12189823
CIELab	41.17, 69.96, -17.20
CIELCh	41, 72.042, 346.184
Yxy	11.9714, 0.4212, 0.2094
Android (android.graphics.Color)	4290379903 (0xFFBA007F)
YUV	70.0920, 28.0556, 101.6513
Hunter-Lab	34.5997, 63.6819, -11.9717

Details

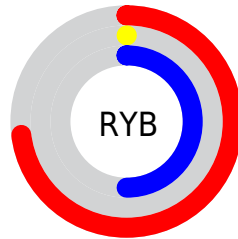
The XYZ color **24.0805, 11.9714, 21.1202** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.3495, 35.4342, 10.0138**, and the grayscale version is **5.7860, 6.0873, 6.6291**.

A 20% lighter version of the original color is **49.4928, 29.3851, 46.2434**, and **10.1275, 5.0621, 7.6510** is the 20% darker color. If you saturate the color by 10%, you get **24.0800, 11.9712, 21.1173**, and if you desaturate by 10%, it is **24.7032, 12.5831, 23.2813**.

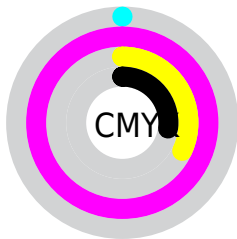
Distribution



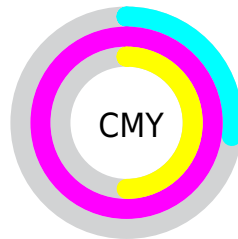
- Red (73%)
- Green (0%)
- Blue (50%)



- Red (73%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0805, 11.9714, 21.1202 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 24.0805, 11.9714, 21.1202 by changing the saturation by 10% instead.

■ 24.0805, 11.9714,
21.1202

■ 24.0805, 11.9714,
21.1202

265.6601,
204.2159, 270.7186

■ 15.5184, 6.7242,
13.0198

■ 49.6153, 29.4430,
46.1709

■ 9.2727, 3.2902,
7.3113

■ 67.3186, 42.4362,
63.9582

■ 4.9780, 1.2851,
3.5761

■ 88.7998, 58.7802,
85.8117

■ 2.2690, 0.1296,
1.3958

■ 114.4241, 78.8594,
112.1497

■ 0.7787, 0.0000,
0.1385

■ 144.5570,
103.0581, 143.3908

■ 0.0000, 0.0000,
0.0000

■ 179.5637,

131.7609, 179.9537

219.8096,
165.3520, 222.2568

■ 24.0805, 11.9714,
21.1202

■ 24.0805, 11.9714,
21.1202

■ 24.0800, 11.9712,
21.1173

■ 24.7032, 12.5831,
23.2813

■ 25.5642, 13.6348,
25.6347

■ 26.7436, 15.2860,
28.2091

■ 28.2810, 17.6156,
31.0193

■ 30.2102, 20.6902,
34.0784

■ 32.5607, 24.5687,
37.3979

■ 35.3593, 29.3037,
40.9882

■ 38.6303, 34.9438,
44.8593

■ 42.3963, 41.5334,
49.0201

Harmonies

Analogous

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



20.2051, 11.9714, 44.5233



24.0805, 11.9714, 21.1202



23.9049, 11.9714, 6.5813

Triad

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



24.0805, 11.9714, 21.1202



8.8174, 11.9714, 0.1257



5.7734, 11.9714, 46.4450

Complementary

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



24.0805, 11.9714, 21.1202



18.3495, 35.4342, 10.0138

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.



4.2335, 11.9714, 22.7339



24.0805, 11.9714, 21.1202



5.5898, 11.9714, 1.5713

Square

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



24.0805, 11.9714, 21.1202



13.9318, 11.9714, 0.0718



4.1785, 11.9714, 7.3318



9.1579, 11.9714, 65.1450

Rectangle

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



24.0805, 11.9714, 21.1202



21.4831, 11.9714, 2.3950



4.1785, 11.9714, 7.3318



5.0750, 11.9714, 38.2360

Sweetspot

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



24.0809, 11.9721, 21.1204



63.8107, 52.6366, 73.9483



10.6621, 4.4731, 46.7560



13.5603, 10.7552, 15.6663



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0809, 11.9721, 21.1204



43.5314, 21.6526, 37.6715



20.5406, 10.5560, 2.4776



9.2564, 9.1129, 10.6976



16.2354, 8.0679, 14.3922



0.5991, 0.2951, 0.6483

Inverse Universe

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



24.0809, 11.9721, 21.1204



43.5314, 21.6526, 37.6715



23.2191, 37.3820, 35.6568



9.2564, 9.1129, 10.6976



16.2354, 8.0679, 14.3922



0.5991, 0.2951, 0.6483

Previews

White Background



This preview shows how the XYZ color 24.0805, 11.9714, 21.1202 looks on a white background.

Color Contrast Check

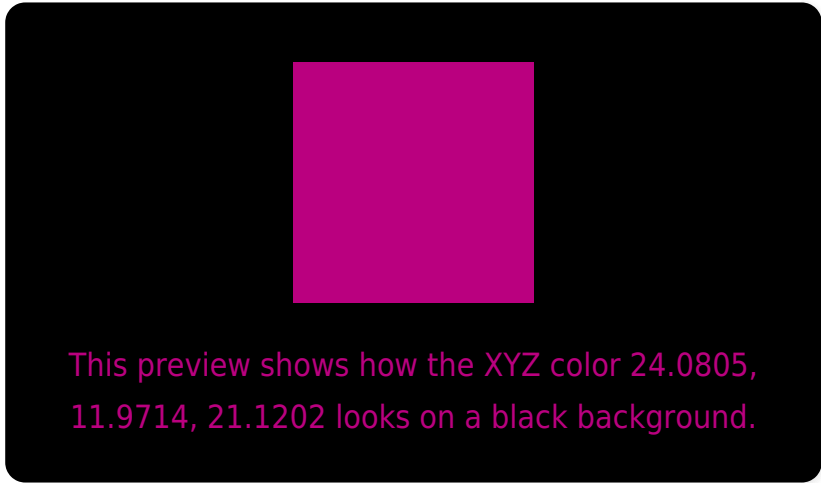
Large Text (above 18pt) WCAG AA ✓ Pass

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

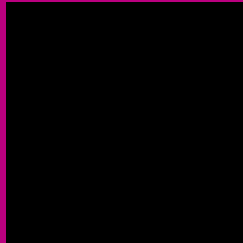
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0805, 11.9714, 21.1202

Background



This preview shows how black text looks on a background with the XYZ color 24.0805, 11.9714, 21.1202.



This preview shows how white text looks on a background with the XYZ color 24.0805, 11.9714,

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

24.0805, 11.9714, 21.1202

Protanopia

14.3601, 12.7851, 45.4270

Deuteranopia

12.8002, 12.5667, 18.8905



Tritanopia

20.8165, 12.3529, 4.5360

Trichromacy



Original Color

24.0805, 11.9714, 21.1202

Protanomaly

13.9813, 9.0217, 34.7227

Deuteranomaly

14.5339, 9.6510, 19.1860

Tritanomaly

21.4562, 11.6648, 8.5178

Monochromacy



Original Color

24.0805, 11.9714, 21.1202

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.5088, 6.0768, 10.5693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0805, 11.9714, 21.1202 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(186, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 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(186, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 24.0805, 11.9714, 21.1202 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(186, 0, 127) }
```


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

```
.border{ border-color:rgb(186, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0805, 11.9714, 21.1202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 127) }
```

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

```
.background{ background-color: rgb(186, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor