

Converting Colors

XYZ(21.1643, 10.7535, 21.4474)

Have a look what the booklet for
XYZ(21.1643, 10.7535, 21.4474)
contains.

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Color

**XYZ(21.1100, 10.7301,
21.3806)**

Conversions

Conversions Part 1

Format	Color
Hex	AC1180
RGB	172, 17, 128
RGB Percent	67%, 7%, 50%
CMY	0.3255, 0.9333, 0.4980
CMYK	0.00, 0.90, 0.26, 0.33
HSL	317°, 82%, 37%
HSV	317°, 90%, 67%
XYZ	21.1100, 10.7301, 21.3806
YIQ	75.9990, 56.7490, 67.3810

Conversions

Conversions Part 2

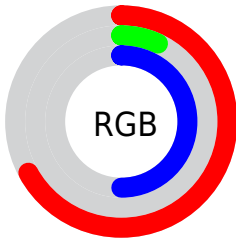
Format	Color
R_{YB}	172, 17, 128
Decimal	11276672
CIE _{Lab}	39.12, 65.20, -21.21
CIE _{LCh}	39, 68.566, 341.981
Yxy	10.7301, 0.3967, 0.2016
Android (android.graphics.Color)	4289466752 (0xFFAC1180)
YUV	75.9990, 25.6365, 84.1929
Hunter-Lab	32.7568, 57.7091, -15.7692

Details

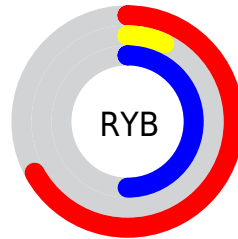
The XYZ color **21.1100, 10.7301, 21.3806** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **15.8269, 29.9616, 9.3665**, and the grayscale version is **6.8185, 7.1735, 7.8120**.

A 20% lighter version of the original color is **44.7037, 27.1415, 46.5988**, and **8.4815, 4.2094, 7.7626** is the 20% darker color. If you saturate the color by 10%, you get **20.5990, 10.2050, 19.6784**, and if you desaturate by 10%, it is **21.8172, 11.6175, 23.2406**.

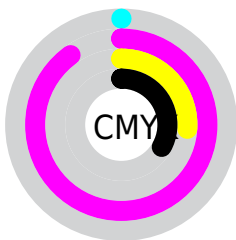
Distribution



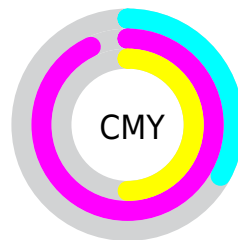
- Red (67%)
- Green (7%)
- Blue (50%)



- Red (67%)
- Yellow (7%)
- Blue (50%)



- Cyan (0%)
- Magenta (90%)
- Yellow (26%)
- Black (33%)



- Cyan (33%)
- Magenta (93%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1100, 10.7301, 21.3806 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 21.1100, 10.7301, 21.3806 by changing the saturation by 10% instead.

21.1100, 10.7301,
21.3806

21.1100, 10.7301,
21.3806

250.5832,
195.8064, 272.1415

13.3174, 5.8857,
13.2085

44.7604, 27.1600,
46.6091

7.7259, 2.7757,
7.4399

61.3489, 39.5142,
64.5026

3.9704, 1.0158,
3.6561

81.6001, 55.1405,
86.4737

1.6854, 0.0000,
1.4386

105.8792, 74.4232,
112.9409

0.4471, 0.0000,
0.1716

134.5518, 97.7468,
144.3227

0.0000, 0.0000,
0.0000

167.9830,

125.4955, 181.0377

206.5384,
158.0540, 223.5045

■ 21.1100, 10.7301,
21.3806

■ 21.1100, 10.7301,
21.3806

■ 20.5990, 10.2050,
19.6784

■ 21.8172, 11.6175,
23.2406

■ 22.7861, 13.0033,
25.2652

■ 24.0495, 14.9527,
27.4663

■ 25.6350, 17.5207,
29.8542

■ 27.5670, 20.7555,
32.4380

■ 29.8675, 24.7008,
35.2259

■ 32.5564, 29.3964,
38.2256

■ 35.6524, 34.8791,
41.4442

■ 39.1728, 41.1833,
44.8884

Harmonies

Analogous

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



17.3179, 10.7301, 42.3637



21.1100, 10.7301, 21.3806



21.5033, 10.7301, 7.1809

Triad

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



21.1100, 10.7301, 21.3806



8.4733, 10.7301, 0.0266



4.9425, 10.7301, 38.0724

Complementary

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



21.1100, 10.7301, 21.3806



15.8269, 29.9616, 9.3665

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.



3.7703, 10.7301, 17.7580



21.1100, 10.7301, 21.3806



5.3594, 10.7301, 1.1648

Square

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



21.1100, 10.7301, 21.3806



13.1809, 10.7301, 0.1572



3.8957, 10.7301, 5.4771



7.7040, 10.7301, 56.0004

Rectangle

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



21.1100, 10.7301, 21.3806



19.6708, 10.7301, 2.7561



3.8957, 10.7301, 5.4771



4.3930, 10.7301, 30.8456

Sweetspot

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



21.1103, 10.7307, 21.3808



55.3933, 46.9097, 65.2940



9.5673, 4.3699, 39.3691



11.7111, 9.6271, 13.8131



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.



21.1103, 10.7307, 21.3808



37.2705, 18.4736, 35.1774



17.8028, 9.4076, 3.9632



8.2386, 8.1087, 9.5675



15.3534, 7.6039, 14.7725



0.4490, 0.2203, 0.5263

Inverse Universe

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



21.1103, 10.7307, 21.3808



37.2705, 18.4736, 35.1774



19.6020, 31.4717, 29.2463



8.2386, 8.1087, 9.5675



15.3534, 7.6039, 14.7725



0.4490, 0.2203, 0.5263

Previews

White Background



This preview shows how the XYZ color 21.1100, 10.7301, 21.3806 looks on a white background.

Color Contrast Check

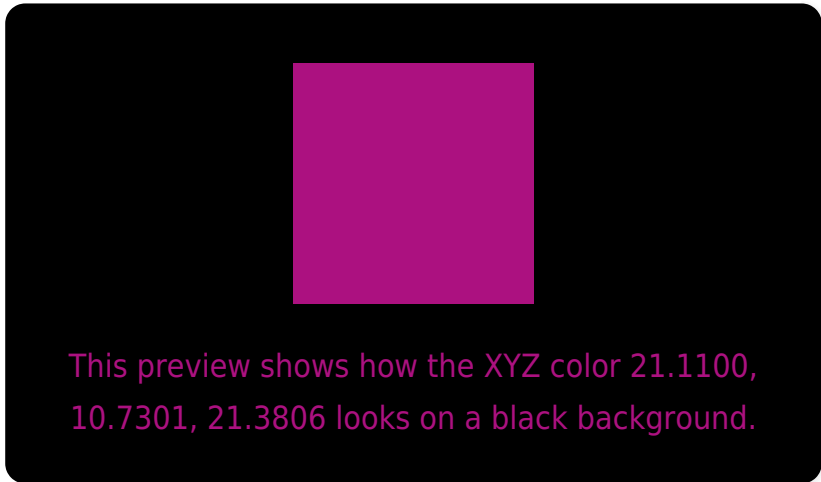
Large Text (above 18pt) WCAG AA ✓ Pass

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

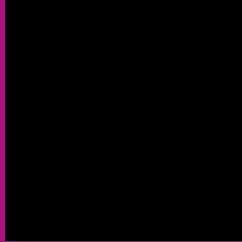
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1100, 10.7301, 21.3806

Background



This preview shows how black text looks on a background with the XYZ color 21.1100, 10.7301, 21.3806.



This preview shows how white text looks on a background with the XYZ color 21.1100, 10.7301,

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

21.1100, 10.7301, 21.3806

Protanopia

13.0180, 11.3129, 44.6775

Deuteranopia

11.3371, 11.1342, 19.3209



Tritanopia

17.6435, 10.8388, 4.7766

Trichromacy



Original Color

21.1100, 10.7301, 21.3806

Protanomaly

12.5808, 8.4641, 34.6889

Deuteranomaly

13.0732, 9.1326, 19.8126

Tritanomaly

18.3970, 10.3851, 9.0175

Monochromacy



Original Color

21.1100, 10.7301, 21.3806

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.9873, 6.9381, 11.6393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1100, 10.7301, 21.3806 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(172, 17, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 17, 128)  
}
```

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(172, 17, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 17, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.1100, 10.7301, 21.3806 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(172, 17, 128) }
```


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

```
.border{ border-color:rgb(172, 17, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 17, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 17, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 17, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 17,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1100, 10.7301, 21.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 17, 128) }
```

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

```
.background{ background-color: rgb(172, 17,  
128) }
```

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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