

Converting Colors

XYZ(21.7860, 11.2510, 21.5834)

Have a look what the booklet for
XYZ(21.7860, 11.2510, 21.5834)
contains.

XYZ(21.6785, 11.2105, 21.4433)	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(21.6785, 11.2105,
21.4433)**

Conversions

Conversions Part 1

Format	Color
Hex	AE1880
RGB	174, 24, 128
RGB Percent	68%, 9%, 50%
CMY	0.3176, 0.9058, 0.4980
CMYK	0.00, 0.86, 0.26, 0.32
HSL	318°, 76%, 39%
HSV	318°, 86%, 68%
XYZ	21.6785, 11.2105, 21.4433
YIQ	80.7060, 56.0160, 64.1440

Conversions

Conversions Part 2

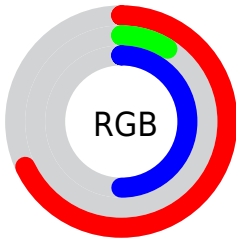
Format	Color
R_{YB}	174, 24, 128
Decimal	11409536
CIE _{Lab}	39.93, 64.40, -19.93
CIE _{LCh}	40, 67.415, 342.809
Yxy	11.2105, 0.3990, 0.2063
Android (android.graphics.Color)	4289599616 (0xFFAE1880)
YUV	80.7060, 23.3159, 81.8188
Hunter-Lab	33.4821, 56.9790, -14.5343

Details

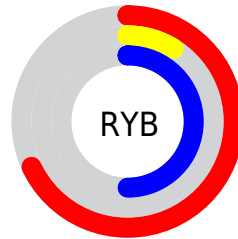
The XYZ color **21.6785, 11.2105, 21.4433** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **16.6191, 30.9090, 10.8869**, and the grayscale version is **7.7125, 8.1142, 8.8363**.

A 20% lighter version of the original color is **45.6009, 27.9722, 46.7118**, and **8.7474, 4.3464, 7.7750** is the 20% darker color. If you saturate the color by 10%, you get **21.0816, 10.5640, 19.5566**, and if you desaturate by 10%, it is **22.5199, 12.3162, 23.5028**.

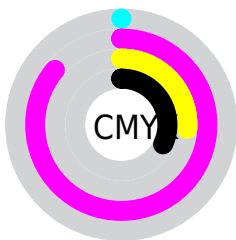
Distribution



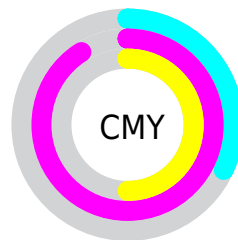
- Red (68%)
- Green (9%)
- Blue (50%)



- Red (68%)
- Yellow (9%)
- Blue (50%)



- Cyan (0%)
- Magenta (86%)
- Yellow (26%)
- Black (32%)





- Cyan (32%)
- Magenta (91%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6785, 11.2105, 21.4433 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 21.6785, 11.2105, 21.4433 by changing the saturation by 10% instead.


 21.6785, 11.2105,
21.4433

 21.6785, 11.2105,
21.4433


253.5267,
199.1061, 272.4831

 13.7361, 6.2086,
13.2540


 45.6969, 28.0488,
46.7145

 8.0178, 2.9723,
7.4709


 62.5036, 40.6539,
64.6335


 4.1583, 1.1173,
3.6754


 82.9958, 56.5623,
86.6328

 1.7921, 0.0000,
1.4490

 107.5389, 76.1583,
113.1310

 0.5129, 0.0000,
0.1795

 136.4981, 99.8262,
144.5465

 0.0000, 0.0000,
0.0000

 170.2390,

127.9506, 181.2981

209.1267,
160.9157, 223.8041

■ 21.6785, 11.2105,
21.4433

■ 21.6785, 11.2105,
21.4433

■ 21.0816, 10.5640,
19.5566

■ 22.5199, 12.3162,
23.5028

■ 20.8845, 10.3702,
18.8729

■ 23.6464, 13.9622,
25.7498

■ 25.0897, 16.2112,
28.1962

■ 26.8767, 19.1168,
30.8523

■ 29.0315, 22.7267,
33.7275

■ 31.5759, 27.0843,
36.8302

■ 34.5300, 32.2291,
40.1683

■ 37.9124, 38.1981,
43.7493

■ 41.7407, 45.0258,
47.5802

Harmonies

Analogous

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



17.9567, 11.2105, 42.2642



21.6785, 11.2105, 21.4433



21.9638, 11.2105, 7.3652

Triad

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



21.6785, 11.2105, 21.4433



8.7939, 11.2105, 0.2176



5.3510, 11.2105, 39.1747

Complementary

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



21.6785, 11.2105, 21.4433



16.6191, 30.9090, 10.8869

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.



4.0998, 11.2105, 18.8066



21.6785, 11.2105, 21.4433



5.6622, 11.2105, 1.4112

Square

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



21.6785, 11.2105, 21.4433



13.5214, 11.2105, 0.3109



4.1941, 11.2105, 6.0959



8.2257, 11.2105, 56.6293

Rectangle

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



21.6785, 11.2105, 21.4433



20.0718, 11.2105, 2.9263



4.1941, 11.2105, 6.0959



4.7699, 11.2105, 31.9940

Sweetspot

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



21.6789, 11.2111, 21.4435



57.1453, 48.9031, 66.6534



10.4219, 4.9755, 40.4556



12.3368, 10.2417, 14.3808



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.6789, 11.2111, 21.4435



37.7781, 18.7689, 33.6846



18.4487, 9.9190, 4.4337



8.2309, 8.1056, 9.5266



15.1750, 7.5325, 13.8328



0.4451, 0.2187, 0.5055

Inverse Universe

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



21.6789, 11.2111, 21.4435



37.7781, 18.7689, 33.6846



20.5474, 32.4803, 31.5732



8.2309, 8.1056, 9.5266



15.1750, 7.5325, 13.8328



0.4451, 0.2187, 0.5055

Previews

White Background



This preview shows how the XYZ color 21.6785, 11.2105, 21.4433 looks on a white background.

Color Contrast Check

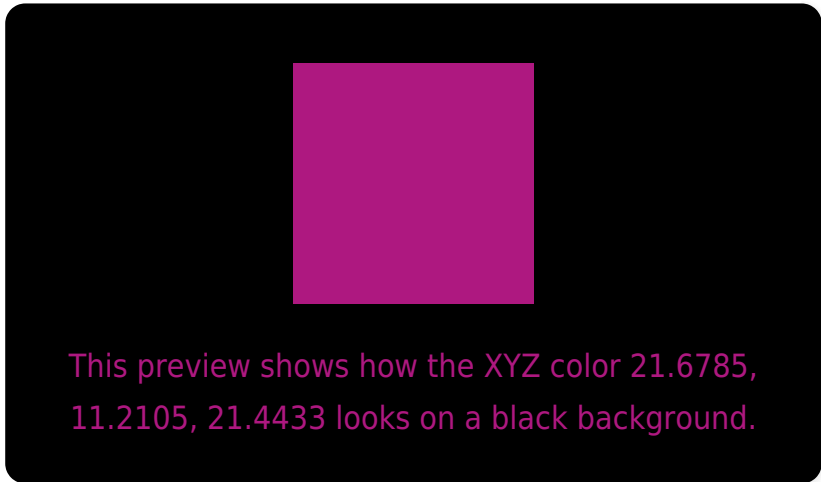
Large Text (above 18pt) WCAG AA ✓ Pass

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

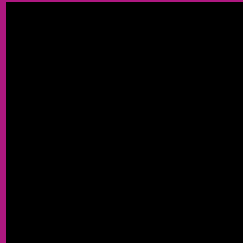
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6785, 11.2105, 21.4433

Background



This preview shows how black text looks on a background with the XYZ color 21.6785, 11.2105, 21.4433.



This preview shows how white text looks on a background with the XYZ color 21.6785, 11.2105,

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

21.6785, 11.2105, 21.4433

Protanopia

13.3155, 11.7469, 43.6850

Deuteranopia

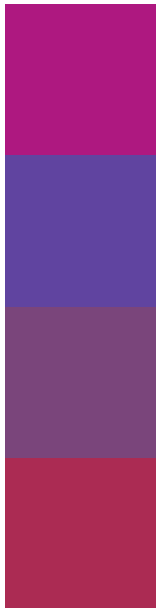
11.8065, 11.6368, 19.3932



Tritanopia

18.4199, 11.3688, 5.0944

Trichromacy



Original Color

21.6785, 11.2105, 21.4433

Protanomaly

13.2362, 9.1591, 34.3280

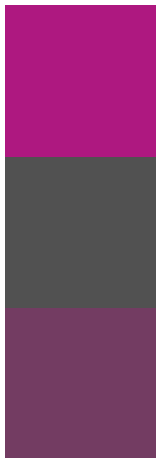
Deuteranomaly

13.7293, 9.8239, 19.9115

Tritanomaly

19.2198, 11.0102, 9.2958

Monochromacy



Original Color

21.6785, 11.2105, 21.4433

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.8907, 7.7584, 12.4788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6785, 11.2105, 21.4433 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(174, 24, 128)` looks like.

```
.text, #text, p{  
    color:rgb(174, 24, 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(174, 24, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 24, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.6785, 11.2105, 21.4433 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(174, 24, 128) }
```


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

```
.border{ border-color:rgb(174, 24, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 24, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 24, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 24, 128);  
box-shadow:4px 4px 4px 4px rgb(174, 24,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6785, 11.2105, 21.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 24, 128) }
```

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

```
.background{ background-color: rgb(174, 24,  
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](#).

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