

Converting Colors

XYZ(21.8370, 11.0782, 9.1160)

Have a look what the booklet for
XYZ(21.8370, 11.0782, 9.1160)
contains.

XYZ(21.8110, 11.0636, 9.1695)	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(21.8110, 11.0636,
9.1695)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0053
RGB	186, 0, 83
RGB Percent	73%, 0%, 33%
CMY	0.2706, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.55, 0.27
HSL	333°, 100%, 36%
HSV	333°, 100%, 73%
XYZ	21.8110, 11.0636, 9.1695
YIQ	65.0760, 84.2130, 65.2450

Conversions

Conversions Part 2

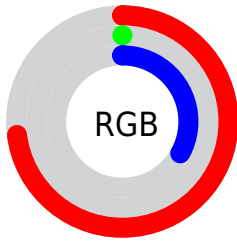
Format	Color
RYB	186, 0, 83
Decimal	12189779
CIELab	39.69, 66.08, 8.35
CIELCh	40, 66.607, 7.200
Yxy	11.0636, 0.5188, 0.2631
Android (android.graphics.Color)	4290379859 (0xFFBA0053)
YUV	65.0760, 8.8365, 106.0503
Hunter-Lab	33.2620, 58.8399, 6.9386

Details

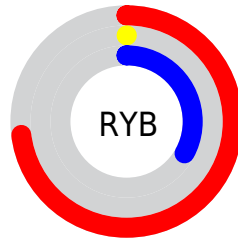
The XYZ color **21.8110, 11.0636, 9.1695** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.0090, 36.0977, 18.7531**, and the grayscale version is **5.0165, 5.2778, 5.7475**.

A 20% lighter version of the original color is **45.9695, 27.8089, 24.7746**, and **8.9704, 4.5821, 2.3311** is the 20% darker color. If you saturate the color by 10%, you get **21.8103, 11.0633, 9.1660**, and if you desaturate by 10%, it is **22.4655, 11.6881, 11.4981**.

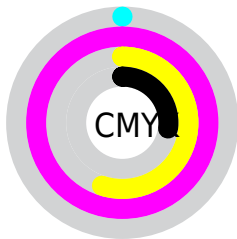
Distribution



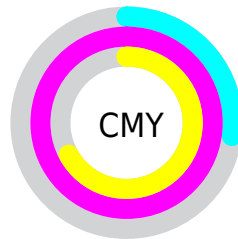
- Red (73%)
- Green (0%)
- Blue (33%)



- Red (73%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8110, 11.0636, 9.1695 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 21.8110, 11.0636, 9.1695 by changing the saturation by 10% instead.


 21.8110, 11.0636,
9.1695


 21.8110, 11.0636,
9.1695


254.2086,
198.1034, 194.9018


 13.8339, 6.1096,
4.7536


 45.9146, 27.7777,
24.8041


 8.0862, 2.9119,
2.0472


 62.7718, 40.3066,
36.8600


 4.2024, 1.0859,
0.5841

 83.3198, 56.1294,
52.2995

 1.8173, 0.0000,
0.0000

 107.9239, 75.6302,
71.5413

 0.5280, 0.0000,
0.0000

 136.9495, 99.1937,
95.0039

 0.0000, 0.0000,
0.0000

 170.7619,

127.2041, 123.1058

209.7265,
160.0459, 156.2656

■ 21.8110, 11.0636,
9.1695

■ 21.8110, 11.0636,
9.1695

■ 21.8103, 11.0633,
9.1660

■ 22.4655, 11.6881,
11.4981

■ 23.3970, 12.7681,
14.2227

■ 24.6875, 14.4638,
17.3819

■ 26.3785, 16.8549,
21.0005

■ 28.5053, 20.0087,
25.1003

■ 31.0994, 23.9847,
29.7018

■ 34.1888, 28.8362,
34.8237

■ 37.7996, 34.6123,
40.4836

■ 41.9558, 41.3581,
46.6984

Harmonies

Analogous

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



20.8260, 11.0636, 24.6076



21.8110, 11.0636, 9.1695



19.1432, 11.0636, 2.3574

Triad

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



21.8110, 11.0636, 9.1695



6.0613, 11.0636, 1.0790



7.4750, 11.0636, 53.0895

Complementary

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



21.8110, 11.0636, 9.1695



20.0090, 36.0977, 18.7531

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.



4.9705, 11.0636, 34.4505



21.8110, 11.0636, 9.1695



4.3340, 11.0636, 4.7088

Square

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



21.8110, 11.0636, 9.1695



9.4562, 11.0636, 0.1639



4.0022, 11.0636, 15.4697



11.6514, 11.0636, 57.9660

Rectangle

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



21.8110, 11.0636, 9.1695



16.0063, 11.0636, 0.8697



4.0022, 11.0636, 15.4697



6.4506, 11.0636, 47.7972

Sweetspot

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



21.8113, 11.0643, 9.1697



61.6595, 51.7761, 62.6202



14.3784, 6.3890, 46.9295



13.0355, 10.5452, 12.9024



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.



21.8113, 11.0643, 9.1697



39.4148, 20.0059, 15.9934



20.3510, 10.6417, 0.9823



9.1666, 9.0770, 10.2249



14.7099, 7.4577, 6.3594



0.5498, 0.2754, 0.3887

Inverse Universe

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



21.8113, 11.0643, 9.1697



39.4148, 20.0059, 15.9934



24.5265, 34.8717, 51.8924



9.1666, 9.0770, 10.2249



14.7099, 7.4577, 6.3594



0.5498, 0.2754, 0.3887

Previews

White Background



This preview shows how the XYZ color 21.8110, 11.0636, 9.1695 looks on a white background.

Color Contrast Check

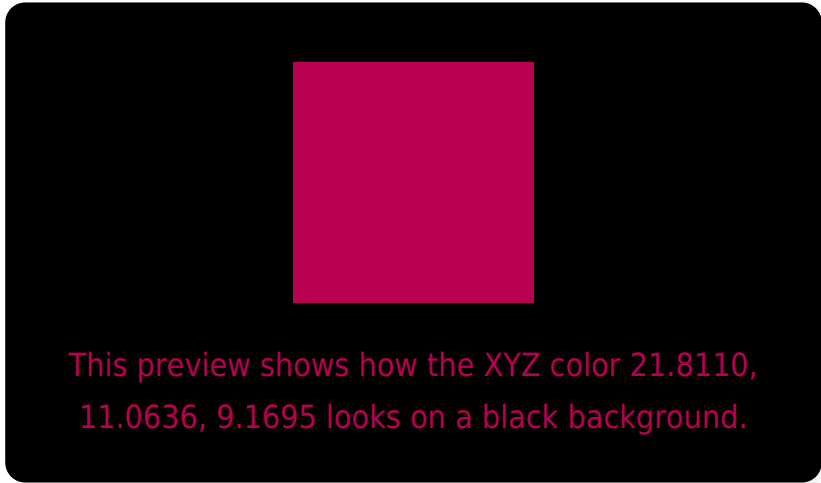
Large Text (above 18pt) WCAG AA ✓ Pass

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

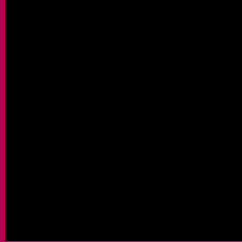
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8110, 11.0636, 9.1695

Background



This preview shows how black text looks on a background with the XYZ color 21.8110, 11.0636, 9.1695.



This preview shows how white text looks on a background with the XYZ color 21.8110, 11.0636,

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

21.8110, 11.0636, 9.1695

Protanopia

11.7598, 11.7386, 19.7351

Deuteranopia

11.7792, 11.6070, 8.2762



Tritanopia

20.5717, 11.3823, 2.4793

Trichromacy



Original Color

21.8110, 11.0636, 9.1695

Protanomaly

12.7271, 8.6532, 14.9094

Deuteranomaly

13.5866, 9.1670, 8.2610

Tritanomaly

20.8733, 11.0896, 4.1723

Monochromacy



Original Color

21.8110, 11.0636, 9.1695

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.2693, 5.3050, 6.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8110, 11.0636, 9.1695 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 21.8110, 11.0636, 9.1695 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, 83) }
```


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

```
.border{ border-color:rgb(186, 0, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8110, 11.0636, 9.1695 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, 83) }
```

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

```
.background{ background-color: rgb(186, 0,  
83) }
```

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