

Converting Colors

XYZ(21.7545, 10.9742, 11.8896)

Have a look what the booklet for
XYZ(21.7545, 10.9742, 11.8896)
contains.

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Color

**XYZ(21.8327, 11.0166,
11.8022)**

Conversions

Conversions Part 1

Format	Color
Hex	B8005F
RGB	184, 0, 95
RGB Percent	72%, 0%, 37%
CMY	0.2784, 0.9999, 0.6274
CMYK	0.00, 1.00, 0.48, 0.28
HSL	329°, 100%, 36%
HSV	329°, 100%, 72%
XYZ	21.8327, 11.0166, 11.8022
YIQ	65.8460, 79.1690, 68.5530

Conversions

Conversions Part 2

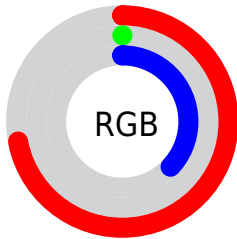
Format	Color
R_{YB}	184, 0, 95
Decimal	12058719
CIE Lab	39.61, 66.52, 0.52
CIE LCh	40, 66.525, 0.445
Yxy	11.0166, 0.4890, 0.2467
Android (android.graphics.Color)	4290248799 (0xFFB8005F)
YUV	65.8460, 14.3729, 103.6211
Hunter-Lab	33.1913, 59.3298, 2.1515

Details

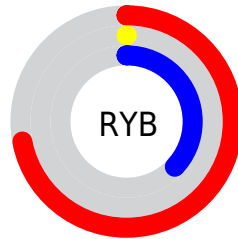
The XYZ color **21.8327, 11.0166, 11.8022** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **18.9454, 35.0028, 15.2162**, and the grayscale version is **5.1272, 5.3942, 5.8743**.

A 20% lighter version of the original color is **45.8603, 27.6433, 29.7067**, and **8.8666, 4.5068, 3.3083** is the 20% darker color. If you saturate the color by 10%, you get **21.8319, 11.0162, 11.7983**, and if you desaturate by 10%, it is **22.4842, 11.6346, 14.1312**.

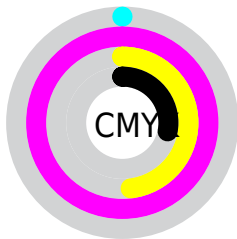
Distribution



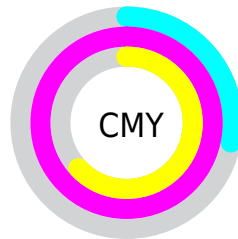
- Red (72%)
- Green (0%)
- Blue (37%)



- Red (72%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8327, 11.0166, 11.8022 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 21.8327, 11.0166, 11.8022 by changing the saturation by 10% instead.

 21.8327, 11.0166,
11.8022


 21.8327, 11.0166,
11.8022

254.3202,
197.7814, 214.0226


 13.8499, 6.0780,
6.4882


 45.9502, 27.6909,
29.7933


 8.0974, 2.8926,
3.0706


 62.8157, 40.1953,
43.3076


 4.2096, 1.0759,
1.1308

 83.3729, 55.9905,
60.3923

 1.8214, 0.0000,
0.0000

 107.9869, 75.4608,
81.4661

 0.5305, 0.0000,
0.0000

 137.0234, 98.9907,
106.9475

 0.0000, 0.0000,
0.0000

 170.8475,

126.9645, 137.2550

209.8246,
159.7666, 172.8072

■ 21.8327, 11.0166,
11.8022

■ 21.8327, 11.0166,
11.8022

■ 21.8319, 11.0162,
11.7983

■ 22.4842, 11.6346,
14.1312

■ 23.3930, 12.6909,
16.7815

■ 24.6390, 14.3428,
19.7865

■ 26.2616, 16.6671,
23.1661

■ 28.2945, 19.7294,
26.9381

■ 30.7677, 23.5871,
31.1184

■ 33.7078, 28.2919,
35.7221

■ 37.1396, 33.8914,
40.7630

■ 41.0858, 40.4293,
46.2545

Harmonies

Analogous

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



20.0335, 11.0166, 29.0075



21.8327, 11.0166, 11.8022



19.9292, 11.0166, 3.2700

Triad

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



21.8327, 11.0166, 11.8022



6.6453, 11.0166, 0.7647



6.7324, 11.0166, 49.4632

Complementary

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



21.8327, 11.0166, 11.8022



18.9454, 35.0028, 15.2162

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.



4.6096, 11.0166, 29.6173



21.8327, 11.0166, 11.8022



4.5705, 11.0166, 3.4134

Square

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



21.8327, 11.0166, 11.8022



10.4033, 11.0166, 0.1235



3.9485, 11.0166, 12.1903



10.5389, 11.0166, 58.2946

Rectangle

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



21.8327, 11.0166, 11.8022



17.0622, 11.0166, 1.2062



3.9485, 11.0166, 12.1903



5.8424, 11.0166, 43.3828

Sweetspot

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



21.8330, 11.0173, 11.8024



60.8060, 50.8041, 64.3028



12.7671, 5.5828, 45.7518



12.6092, 10.1492, 13.0930



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.



21.8330, 11.0173, 11.8024



39.4549, 19.9214, 20.7476



19.7844, 10.1978, 1.0146



9.1929, 9.0875, 10.3634



15.0824, 7.6067, 8.3205



0.5628, 0.2806, 0.4572

Inverse Universe

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



21.8330, 11.0173, 11.8024



39.4549, 19.9214, 20.7476



25.4745, 37.6145, 49.5979



9.1929, 9.0875, 10.3634



15.0824, 7.6067, 8.3205



0.5628, 0.2806, 0.4572

Previews

White Background



This preview shows how the XYZ color 21.8327, 11.0166, 11.8022 looks on a white background.

Color Contrast Check

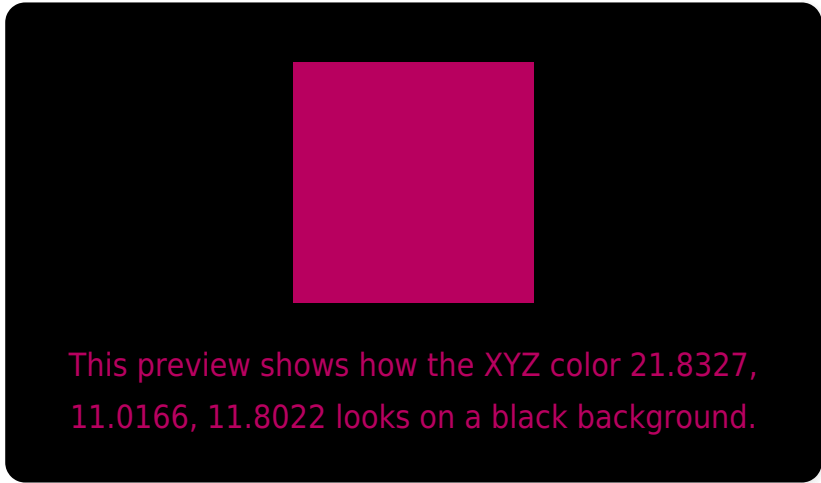
Large Text (above 18pt) WCAG AA ✓ Pass

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

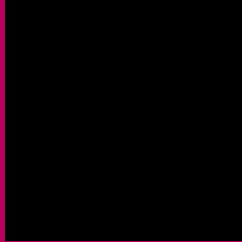
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8327, 11.0166, 11.8022

Background



This preview shows how black text looks on a background with the XYZ color 21.8327, 11.0166, 11.8022.



This preview shows how white text looks on a background with the XYZ color 21.8327, 11.0166,

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

21.8327, 11.0166, 11.8022

Protanopia

12.0872, 11.7844, 25.3045

Deuteranopia

11.7318, 11.5306, 10.6241



Tritanopia

20.0990, 11.3499, 2.9651

Trichromacy



Original Color

21.8327, 11.0166, 11.8022



Protanomaly

12.7365, 8.5588, 19.3931



Deuteranomaly

13.5628, 9.1004, 10.7146



Tritanomaly

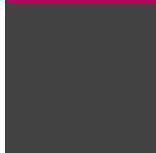
20.4075, 10.9141, 5.1687

Monochromacy



Original Color

21.8327, 11.0166, 11.8022



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4742, 5.4430, 7.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8327, 11.0166, 11.8022 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 21.8327, 11.0166, 11.8022 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, 95) }
```


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

```
.border{ border-color:rgb(184, 0, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8327, 11.0166, 11.8022 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, 95) }
```

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

```
.background{ background-color: rgb(184, 0,  
95) }
```

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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