

Converting Colors

XYZ(20.9944, 10.6702, 7.8868)

Have a look what the booklet for
XYZ(20.9944, 10.6702, 7.8868)
contains.

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Color

**XYZ(21.1067, 10.7262,
7.9791)**

Conversions

Conversions Part 1

Format	Color
Hex	B8004D
RGB	184, 0, 77
RGB Percent	72%, 0%, 30%
CMY	0.2784, 0.9999, 0.6980
CMYK	0.00, 1.00, 0.58, 0.28
HSL	335°, 100%, 36%
HSV	335°, 100%, 72%
XYZ	21.1067, 10.7262, 7.9791
YIQ	63.7940, 84.9470, 62.9550

Conversions

Conversions Part 2

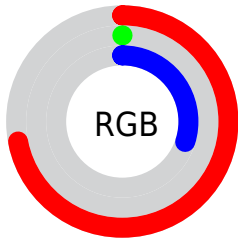
Format	Color
RYB	184, 0, 77
Decimal	12058701
CIELab	39.12, 65.22, 11.33
CIElCh	39, 66.193, 9.858
Yxy	10.7262, 0.5302, 0.2694
Android (android.graphics.Color)	4290248781 (0xFFB8004D)
YUV	63.7940, 6.5106, 105.4207
Hunter-Lab	32.7509, 57.7225, 8.4808

Details

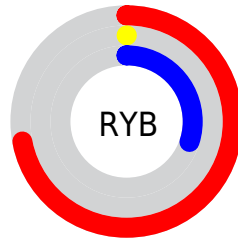
The XYZ color **21.1067, 10.7262, 7.9791** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **19.7964, 35.3432, 19.6978**, and the grayscale version is **4.8269, 5.0783, 5.5302**.

A 20% lighter version of the original color is **44.7892, 27.1338, 22.6154**, and **8.4571, 4.3264, 1.9027** is the 20% darker color. If you saturate the color by 10%, you get **21.1059, 10.7258, 7.9754**, and if you desaturate by 10%, it is **21.7396, 11.3368, 10.2104**.

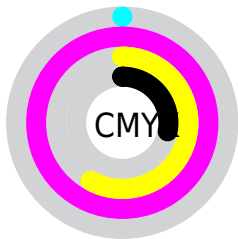
Distribution



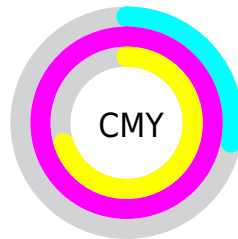
- Red (72%)
- Green (0%)
- Blue (30%)



- Red (72%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1067, 10.7262, 7.9791 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 21.1067, 10.7262, 7.9791 by changing the saturation by 10% instead.


 21.1067, 10.7262,
7.9791


 21.1067, 10.7262,
7.9791


250.5660,
195.7794, 185.4965


 13.3149, 5.8830,
3.9940


 44.7550, 27.1527,
22.4630


 7.7243, 2.7741,
1.6221


 61.3422, 39.5049,
33.7988

 3.9693, 1.0150,
0.3065

 81.5919, 55.1289,
48.4219

 1.6848, 0.0000,
0.0000

 105.8696, 74.4090,
66.7510

 0.4467, 0.0000,
0.0000

 134.5404, 97.7297,
89.2044

 0.0000, 0.0000,
0.0000

 167.9699,

125.4755, 116.2007

206.5233,
158.0305, 148.1586

■ 21.1067, 10.7262,
7.9791

■ 21.1067, 10.7262,
7.9791

■ 21.1059, 10.7258,
7.9754

■ 21.7396, 11.3368,
10.2104

■ 22.6472, 12.3926,
12.8540

■ 23.9104, 14.0514,
15.9499

■ 25.5700, 16.3906,
19.5243

■ 27.6608, 19.4760,
23.6004

■ 30.2135, 23.3655,
28.1996

■ 33.2559, 28.1114,
33.3420

■ 36.8137, 33.7613,
39.0464

■ 40.9105, 40.3594,
45.3305

Harmonies

Analogous

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



20.4710, 10.7262, 22.2602



21.1067, 10.7262, 7.9791



18.2355, 10.7262, 1.9812

Triad

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



21.1067, 10.7262, 7.9791



5.6506, 10.7262, 1.1764



7.5330, 10.7262, 52.8435

Complementary

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



21.1067, 10.7262, 7.9791



19.7964, 35.3432, 19.6978

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.



4.9527, 10.7262, 35.3422



21.1067, 10.7262, 7.9791



4.1047, 10.7262, 5.1295

Square

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



21.1067, 10.7262, 7.9791



8.8044, 10.7262, 0.1555



3.8928, 10.7262, 16.3755



11.7246, 10.7262, 56.0019

Rectangle

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



21.1067, 10.7262, 7.9791



15.1008, 10.7262, 0.7130



3.8928, 10.7262, 16.3755



6.4865, 10.7262, 48.0515

Sweetspot

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



21.1070, 10.7269, 7.9793



59.9759, 50.4720, 59.9316



14.3937, 6.4213, 45.8279



12.4126, 10.0706, 12.0578



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.



21.1070, 10.7269, 7.9793



38.1474, 19.3984, 13.8623



19.9023, 10.4606, 0.9711



9.1563, 9.0729, 10.1704



14.5798, 7.4057, 5.6738



0.5450, 0.2735, 0.3635

Inverse Universe

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



21.1070, 10.7269, 7.9793



38.1474, 19.3984, 13.8623



23.3543, 32.8652, 50.4598



9.1563, 9.0729, 10.1704



14.5798, 7.4057, 5.6738



0.5450, 0.2735, 0.3635

Previews

White Background



This preview shows how the XYZ color 21.1067, 10.7262, 7.9791 looks on a white background.

Color Contrast Check

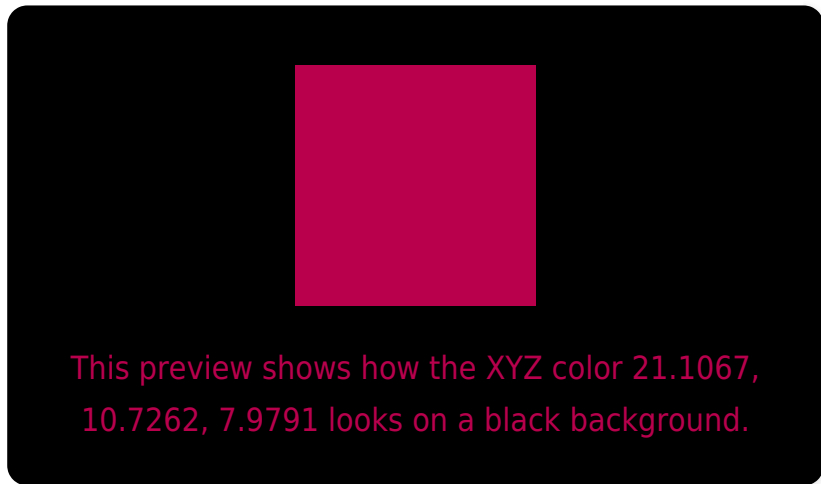
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1067, 10.7262, 7.9791

Background



This preview shows how black text looks on a background with the XYZ color 21.1067, 10.7262, 7.9791.



This preview shows how white text looks on a background with the XYZ color 21.1067, 10.7262,

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

21.1067, 10.7262, 7.9791

Protanopia

11.2417, 11.3994, 16.9370

Deuteranopia

11.4974, 11.3566, 7.2163



Tritanopia

20.0032, 11.0138, 2.2340

Trichromacy



Original Color

21.1067, 10.7262, 7.9791

Protanomaly

12.3254, 8.4925, 12.7940

Deuteranomaly

13.1640, 8.8973, 7.1544

Tritanomaly

20.2717, 10.7648, 3.5942

Monochromacy



Original Color

21.1067, 10.7262, 7.9791

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0515, 5.2037, 6.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1067, 10.7262, 7.9791 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 21.1067, 10.7262, 7.9791 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, 77) }
```


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

```
.border{ border-color:rgb(184, 0, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1067, 10.7262, 7.9791 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, 77) }
```

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

```
.background{ background-color: rgb(184, 0,  
77) }
```

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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