

Converting Colors

XYZ(21.6627, 11.0808, 4.9321)

Have a look what the booklet for
XYZ(21.6627, 11.0808, 4.9321)
contains.

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Color

**XYZ(21.7248, 11.1142,
4.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0039
RGB	189, 0, 57
RGB Percent	74%, 0%, 22%
CMY	0.2588, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.70, 0.26
HSL	342°, 100%, 37%
HSV	342°, 100%, 74%
XYZ	21.7248, 11.1142, 4.8711
YIQ	63.0090, 94.3470, 57.7950

Conversions

Conversions Part 2

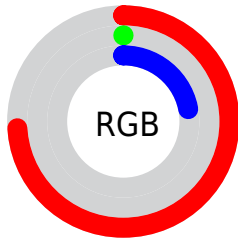
Format	Color
R_{YB}	189, 0, 57
Decimal	12386361
CIE Lab	39.77, 65.31, 25.16
CIE LCh	40, 69.991, 21.068
Yxy	11.1142, 0.5761, 0.2947
Android (android.graphics.Color)	4290576441 (0xFFBD0039)
YUV	63.0090, -2.9624, 110.4941
Hunter-Lab	33.3380, 57.9787, 14.6736

Details

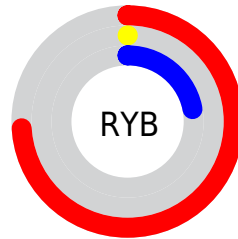
The XYZ color **21.7248, 11.1142, 4.8711** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.3650, 38.0621, 28.0095**, and the grayscale version is **4.7231, 4.9690, 5.4113**.

A 20% lighter version of the original color is **45.7368, 27.8814, 16.0678**, and **8.8459, 4.5494, 0.9021** is the 20% darker color. If you saturate the color by 10%, you get **21.7241, 11.1139, 4.8681**, and if you desaturate by 10%, it is **22.3298, 11.7270, 6.9145**.

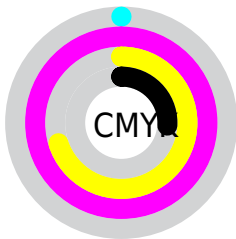
Distribution



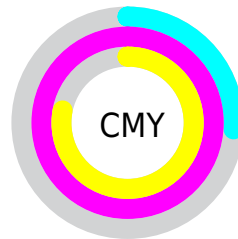
- Red (74%)
- Green (0%)
- Blue (22%)



- Red (74%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7248, 11.1142, 4.8711 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 21.7248, 11.1142, 4.8711 by changing the saturation by 10% instead.

■ 21.7248, 11.1142,
4.8711

■ 21.7248, 11.1142,
4.8711

253.7652,
198.4494, 157.4647

■ 13.7703, 6.1437,
2.1144

■ 45.7730, 27.8711,
15.9736

■ 8.0417, 2.9327,
0.6243

■ 62.5974, 40.4264,
25.1565

■ 4.1737, 1.0967,
0.0000

■ 83.1091, 56.2787,
37.3185

■ 1.8009, 0.0000,
0.0000

■ 107.6735, 75.8124,
52.8782

■ 0.5182, 0.0000,
0.0000

■ 136.6560, 99.4119,
72.2541

■ 0.0000, 0.0000,
0.0000

■ 170.4218,

127.4616, 95.8649

209.3364,
160.3460, 124.1289

■ 21.7248, 11.1142,
4.8711

■ 21.7248, 11.1142,
4.8711

■ 21.7241, 11.1139,
4.8681

■ 22.3298, 11.7270,
6.9145

■ 23.2510, 12.8252,
9.5158

■ 24.5755, 14.5745,
12.7313

■ 26.3495, 17.0589,
16.6014

■ 28.6123, 20.3497,
21.1625

■ 31.3989, 24.5095,
26.4482

■ 34.7408, 29.5950,
32.4896

■ 38.6670, 35.6577,
39.3159

■ 43.2045, 42.7456,
46.9549

Harmonies

Analogous

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



22.5515, 11.1142, 16.6855



21.7248, 11.1142, 4.8711



17.4873, 11.1142, 0.9879

Triad

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



21.7248, 11.1142, 4.8711



4.8891, 11.1142, 1.9333



9.1949, 11.1142, 61.4748

Complementary

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



21.7248, 11.1142, 4.8711



22.3650, 38.0621, 28.0095

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.



5.7617, 11.1142, 46.4923



21.7248, 11.1142, 4.8711



3.8191, 11.1142, 8.4448

Square

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



21.7248, 11.1142, 4.8711



7.5820, 11.1142, 0.2279



4.0811, 11.1142, 24.3027



14.2397, 11.1142, 57.3002

Rectangle

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



21.7248, 11.1142, 4.8711



13.8490, 11.1142, 0.1656



4.0811, 11.1142, 24.3027



7.8440, 11.1142, 58.2553

Sweetspot

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



21.7251, 11.1149, 4.8713



61.8989, 52.5111, 57.6180



18.2633, 8.3545, 48.7939



12.7463, 10.4296, 11.3796



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.



21.7251, 11.1149, 4.8713



38.8157, 19.8682, 8.2322



21.5779, 12.0020, 1.1803



9.6454, 9.5825, 10.5216



14.6468, 7.4899, 3.4336



0.6036, 0.3053, 0.2920

Inverse Universe

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



21.7251, 11.1149, 4.8713



38.8157, 19.8682, 8.2322



20.8001, 26.9031, 52.2404



9.6454, 9.5825, 10.5216



14.6468, 7.4899, 3.4336



0.6036, 0.3053, 0.2920

Previews

White Background



This preview shows how the XYZ color 21.7248, 11.1142, 4.8711 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



This preview shows how the XYZ color 21.7248, 11.1142, 4.8711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

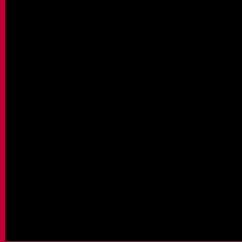
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7248, 11.1142, 4.8711

Background



This preview shows how black text looks on a background with the XYZ color 21.7248, 11.1142, 4.8711.



This preview shows how white text looks on a background with the XYZ color 21.7248, 11.1142,

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

21.7248, 11.1142, 4.8711

Protanopia

11.1894, 11.7883, 10.2800

Deuteranopia

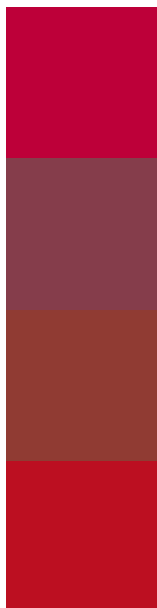
11.9684, 11.7896, 4.4411



Tritanopia

21.1630, 11.3512, 1.6917

Trichromacy



Original Color

21.7248, 11.1142, 4.8711

Protanomaly

12.6116, 8.8320, 7.6967

Deuteranomaly

13.6631, 9.2962, 4.2062

Tritanomaly

21.1844, 11.1428, 2.4731

Monochromacy



Original Color

21.7248, 11.1142, 4.8711

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.9078, 5.1057, 4.9836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7248, 11.1142, 4.8711 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(189, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 57)  
}
```

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(189, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 21.7248, 11.1142, 4.8711 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(189, 0, 57) }
```


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

```
.border{ border-color:rgb(189, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7248, 11.1142, 4.8711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 57) }
```

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

```
.background{ background-color: rgb(189, 0,  
57) }
```

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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