

Converting Colors

XYZ(22.0519, 11.3101, 3.6580)

Have a look what the booklet for
XYZ(22.0519, 11.3101, 3.6580)
contains.

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Color

**XYZ(21.9989, 11.2816,
3.7074)**

Conversions

Conversions Part 1

Format	Color
Hex	BF002F
RGB	191, 0, 47
RGB Percent	75%, 0%, 18%
CMY	0.2510, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.75, 0.25
HSL	345°, 100%, 37%
HSV	345°, 100%, 75%
XYZ	21.9989, 11.2816, 3.7074
YIQ	62.4670, 98.7490, 55.1090

Conversions

Conversions Part 2

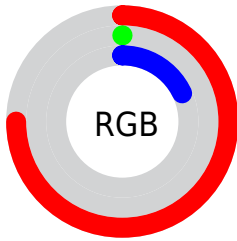
Format	Color
R_{YB}	191, 0, 47
Decimal	12517423
CIE Lab	40.05, 65.39, 31.82
CIE LCh	40, 72.721, 25.945
Yxy	11.2816, 0.5948, 0.3050
Android (android.graphics.Color)	4290707503 (0xFFBF002F)
YUV	62.4670, -7.6252, 112.7234
Hunter-Lab	33.5881, 58.1314, 16.9673

Details

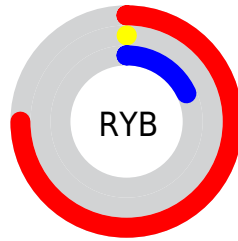
The XYZ color **21.9989, 11.2816, 3.7074** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.6680, 39.2762, 32.7340**, and the grayscale version is **4.6502, 4.8924, 5.3278**.

A 20% lighter version of the original color is **46.3090, 28.2368, 13.3654**, and **9.0642, 4.6715, 0.4814** is the 20% darker color. If you saturate the color by 10%, you get **21.9982, 11.2813, 3.7044**, and if you desaturate by 10%, it is **22.5741, 11.8880, 5.5768**.

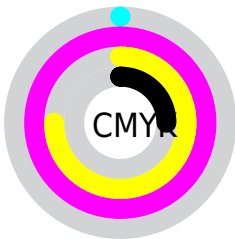
Distribution



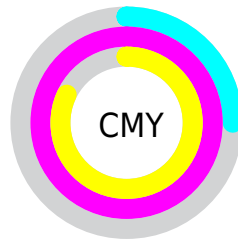
- Red (75%)
- Green (0%)
- Blue (18%)



- Red (75%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9989, 11.2816, 3.7074 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 21.9989, 11.2816, 3.7074 by changing the saturation by 10% instead.


 21.9989, 11.2816,
3.7074


 21.9989, 11.2816,
3.7074


255.1730,
199.5894, 144.9154


 13.9727, 6.2566,
1.4662


 46.2230, 28.1797,
13.3291


 8.1832, 3.0017,
0.1926


 63.1517, 40.8216,
21.5467

 4.2652, 1.1326,
0.0000

 83.7785, 56.7713,
32.5936

 1.8532, 0.0056,
0.0000

 108.4689, 76.4130,
46.8882

 0.5494, 0.0000,
0.0000

 137.5882,
100.1313, 64.8492

 0.0000, 0.0000,
0.0000

 171.5017,

128.3106, 86.8950

210.5749,
161.3352, 113.4442

■ 21.9989, 11.2816,
3.7074

■ 21.9989, 11.2816,
3.7074

■ 21.9982, 11.2813,
3.7044

■ 22.5741, 11.8880,
5.5768

■ 23.4841, 12.9968,
8.0730

■ 24.8199, 14.7777,
11.2637

■ 26.6302, 17.3176,
15.1991

■ 28.9570, 20.6901,
19.9245

■ 31.8376, 24.9602,
25.4813

■ 35.3055, 30.1863,
31.9078

■ 39.3916, 36.4220,
39.2400

■ 44.1247, 43.7167,
47.5118

Harmonies

Analogous

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



23.5714, 11.2816, 14.3510



21.9989, 11.2816, 3.7074



17.1104, 11.2816, 0.6155

Triad

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



21.9989, 11.2816, 3.7074



4.5350, 11.2816, 2.3795



10.0525, 11.2816, 65.9026

Complementary

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



21.9989, 11.2816, 3.7074



23.6680, 39.2762, 32.7340

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.



6.1632, 11.2816, 52.5584



21.9989, 11.2816, 3.7074



3.6741, 11.2816, 10.4252

Square

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



21.9989, 11.2816, 3.7074



7.0200, 11.2816, 0.2560



4.1600, 11.2816, 28.8484



15.5414, 11.2816, 57.8982

Rectangle

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



21.9989, 11.2816, 3.7074



13.2504, 11.2816, 0.0000



4.1600, 11.2816, 28.8484



8.5390, 11.2816, 63.5985

Sweetspot

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



21.9992, 11.2823, 3.7076



62.9001, 53.5596, 56.5406



20.7768, 9.6251, 50.0525



13.2061, 10.8447, 11.3016



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.9992, 11.2823, 3.7076



39.3190, 20.1729, 6.2123



22.5338, 13.1721, 1.3559



9.6238, 9.5738, 10.4080



14.4845, 7.4249, 2.5789



0.5943, 0.3016, 0.2430

Inverse Universe

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



21.9992, 11.2823, 3.7076



39.3190, 20.1729, 6.2123



19.2657, 23.4845, 52.8073



9.6238, 9.5738, 10.4080



14.4845, 7.4249, 2.5789



0.5943, 0.3016, 0.2430

Previews

White Background



This preview shows how the XYZ color 21.9989, 11.2816, 3.7074 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 21.9989, 11.2816, 3.7074

Background



This preview shows how black text looks on a background with the XYZ color 21.9989, 11.2816, 3.7074.



This preview shows how white text looks on a background with the XYZ color 21.9989, 11.2816,

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

21.9989, 11.2816, 3.7074

Protanopia

11.1209, 11.9474, 7.6812

Deuteranopia

12.0307, 11.8466, 3.3216



Tritanopia

21.5344, 11.4394, 1.4209

Trichromacy



Original Color

21.9989, 11.2816, 3.7074

Protanomaly

12.7455, 9.0273, 5.6281

Deuteranomaly

13.8010, 9.3921, 3.0929

Tritanomaly

21.5421, 11.2803, 1.9616

Monochromacy



Original Color

21.9989, 11.2816, 3.7074

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.7707, 4.9977, 4.4260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9989, 11.2816, 3.7074 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(191, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 47)  
}
```

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(191, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 21.9989, 11.2816, 3.7074 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(191, 0, 47) }
```


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

```
.border{ border-color:rgb(191, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9989, 11.2816, 3.7074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 47) }
```

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

```
.background{ background-color: rgb(191, 0,  
47) }
```

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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