

Converting Colors

XYZ(21.9221, 11.2581, 2.9744)

Have a look what the booklet for
XYZ(21.9221, 11.2581, 2.9744)
contains.

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Color

**XYZ(21.8521, 11.2228,
2.9339)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0027
RGB	191, 0, 39
RGB Percent	75%, 0%, 15%
CMY	0.2510, 0.9999, 0.8471
CMYK	0.00, 1.00, 0.80, 0.25
HSL	348°, 100%, 37%
HSV	348°, 100%, 75%
XYZ	21.8521, 11.2228, 2.9339
YIQ	61.5550, 101.3170, 52.6210

Conversions

Conversions Part 2

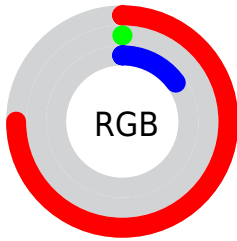
Format	Color
RYB	191, 0, 39
Decimal	12517415
CIELab	39.95, 65.13, 36.51
CIELCh	40, 74.664, 29.276
Yxy	11.2228, 0.6069, 0.3117
Android (android.graphics.Color)	4290707495 (0xFFBF0027)
YUV	61.5550, -11.1196, 113.5233
Hunter-Lab	33.5004, 57.8085, 18.2578

Details

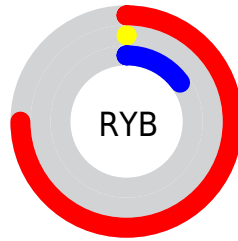
The XYZ color **21.8521, 11.2228, 2.9339** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.3013, 39.5297, 36.0688**, and the grayscale version is **4.5224, 4.7579, 5.1814**.

A 20% lighter version of the original color is **45.9335, 28.0866, 11.3878**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.8516, 11.2226, 2.9317**, and if you desaturate by 10%, it is **22.3915, 11.8148, 4.6153**.

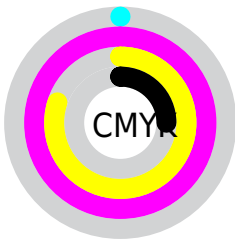
Distribution



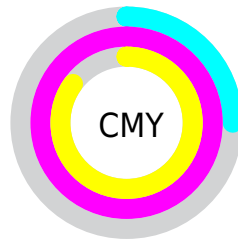
- Red (75%)
- Green (0%)
- Blue (15%)



- Red (75%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8521, 11.2228, 2.9339 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 21.8521, 11.2228, 2.9339 by changing the saturation by 10% instead.


 21.8521, 11.2228,
2.9339


 21.8521, 11.2228,
2.9339


254.4198,
199.1898, 135.5142


 13.8643, 6.2169,
1.0610


 45.9821, 28.0714,
11.4649


 8.1074, 2.9774,
0.0000


 62.8550, 40.6830,
18.9600


 4.2161, 1.1200,
0.0000

 83.4202, 56.5985,
29.1664

 1.8251, 0.0000,
0.0000

 108.0432, 76.2024,
42.5024


 0.5327, 0.0000,
0.0000


 137.0894, 99.8791,
59.3866


 0.0000, 0.0000,
0.0000


 170.9239,


128.0129, 80.2377


 209.9123,
160.9884, 105.4740


 21.8521, 11.2228,
2.9339


 21.8521, 11.2228,
2.9339


 21.8516, 11.2226,
2.9317

 22.3915, 11.8148,
4.6153

 23.2732, 12.9122,
6.9620

 24.5895, 14.6852,
10.0513

 26.3912, 17.2214,
13.9416

 28.7214, 20.5951,
18.6850

■ 31.6184, 24.8716,
24.3292

■ 35.1170, 30.1099,
30.9182

■ 39.2492, 36.3638,
38.4932

■ 44.0444, 43.6832,
47.0928

Harmonies

Analogous

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



23.9559, 11.2228, 12.5820



21.8521, 11.2228, 2.9339



16.5712, 11.2228, 0.3287

Triad

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



21.8521, 11.2228, 2.9339



4.2160, 11.2228, 2.7004



10.5422, 11.2228, 68.2092

Complementary

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



21.8521, 11.2228, 2.9339



24.3013, 39.5297, 36.0688

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.



6.3638, 11.2228, 56.4355



21.8521, 11.2228, 2.9339



3.5109, 11.2228, 11.8645

Square

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



21.8521, 11.2228, 2.9339



6.5188, 11.2228, 0.2627



4.1489, 11.2228, 32.0077



16.2819, 11.2228, 57.4362

Rectangle

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



21.8521, 11.2228, 2.9339



12.6187, 11.2228, 0.0000



4.1489, 11.2228, 32.0077



8.9276, 11.2228, 66.6687

Sweetspot

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



21.8523, 11.2235, 2.9341



62.5608, 53.4239, 54.7537



21.9128, 10.2106, 50.1060



13.1258, 10.8126, 10.8788



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.



21.8523, 11.2235, 2.9341



39.0673, 20.0722, 4.8866



22.8116, 13.7278, 1.4483



9.6077, 9.5674, 10.3229



14.3845, 7.3850, 2.0524



0.5873, 0.2988, 0.2060

Inverse Universe

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



21.8523, 11.2235, 2.9341



39.0673, 20.0722, 4.8866



18.3347, 21.6225, 52.4973



9.6077, 9.5674, 10.3229



14.3845, 7.3850, 2.0524



0.5873, 0.2988, 0.2060

Previews

White Background



This preview shows how the XYZ color 21.8521, 11.2228, 2.9339 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 21.8521, 11.2228, 2.9339

Background



This preview shows how black text looks on a background with the XYZ color 21.8521, 11.2228, 2.9339.



This preview shows how white text looks on a background with the XYZ color 21.8521, 11.2228,

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

21.8521, 11.2228, 2.9339

Protanopia

11.0342, 11.9398, 5.9980

Deuteranopia

12.0287, 11.8621, 2.5753



Tritanopia

21.6863, 11.4773, 1.0723

Trichromacy



Original Color

21.8521, 11.2228, 2.9339

Protanomaly

12.6590, 9.0115, 4.3210

Deuteranomaly

13.8309, 9.4247, 2.3185

Tritanomaly

21.6848, 11.3474, 1.4628

Monochromacy



Original Color

21.8521, 11.2228, 2.9339

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6980, 4.9686, 4.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8521, 11.2228, 2.9339 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 39) }
```

Border

The CSS property to change the border of an element to XYZ 21.8521, 11.2228, 2.9339 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, 39) }
```


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

```
.border{ border-color:rgb(191, 0, 39) }
```

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, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8521, 11.2228, 2.9339 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, 39) }
```

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

```
.background{ background-color: rgb(191, 0,  
39) }
```

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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