

Converting Colors

XYZ(21.4346, 10.9173, 6.9968)

Have a look what the booklet for
XYZ(21.4346, 10.9173, 6.9968)
contains.

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Color

**XYZ(21.3870, 10.8940,
6.9368)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0047
RGB	186, 0, 71
RGB Percent	73%, 0%, 28%
CMY	0.2706, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.62, 0.27
HSL	337°, 100%, 36%
HSV	337°, 100%, 73%
XYZ	21.3870, 10.8940, 6.9368
YIQ	63.7080, 88.0650, 61.5130

Conversions

Conversions Part 2

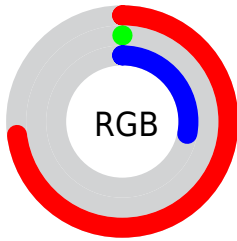
Format	Color
R_{YB}	186, 0, 71
Decimal	12189767
CIE Lab	39.40, 65.32, 15.64
CIE LCh	39, 67.164, 13.467
Yxy	10.8940, 0.5453, 0.2778
Android (android.graphics.Color)	4290379847 (0xFFBA0047)
YUV	63.7080, 3.5950, 107.2501
Hunter-Lab	33.0061, 57.9024, 10.6434

Details

The XYZ color **21.3870, 10.8940, 6.9368** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.6555, 36.3563, 22.1579**, and the grayscale version is **4.8177, 5.0686, 5.5197**.

A 20% lighter version of the original color is **45.1344, 27.4749, 20.3771**, and **8.6792, 4.4487, 1.5636** is the 20% darker color. If you saturate the color by 10%, you get **21.3863, 10.8937, 6.9335**, and if you desaturate by 10%, it is **22.0184, 11.5093, 9.1442**.

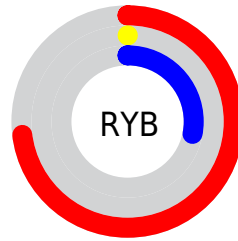
Distribution



Red (73%)

Green (0%)

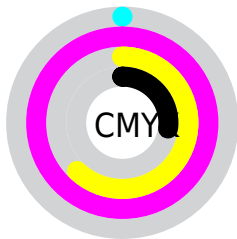
Blue (28%)



Red (73%)

Yellow (0%)

Blue (28%)

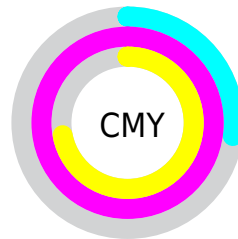


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3870, 10.8940, 6.9368 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 21.3870, 10.8940, 6.9368 by changing the saturation by 10% instead.


 21.3870, 10.8940,
6.9368


 21.3870, 10.8940,
6.9368


252.0211,
196.9389, 176.7485


 13.5212, 5.9956,
3.3448


 45.2172, 27.4640,
20.3567


 7.8679, 2.8424,
1.2733

 61.9123, 39.9044,
31.0216


 4.0616, 1.0500,
0.0397

 82.2813, 55.6275,
44.8811

 1.7371, 0.0000,
0.0000

 106.6894, 75.0179,
62.3540

 0.4793, 0.0000,
0.0000

 135.5021, 98.4598,
83.8586

 0.0000, 0.0000,
0.0000

 169.0847,

126.3377, 109.8135

207.8026,
159.0359, 140.6373

■ 21.3870, 10.8940,
6.9368

■ 21.3870, 10.8940,
6.9368

■ 21.3863, 10.8937,
6.9335

■ 22.0184, 11.5093,
9.1442

■ 22.9390, 12.5849,
11.8108

■ 24.2315, 14.2815,
14.9809

■ 25.9386, 16.6790,
18.6843

■ 28.0967, 19.8453,
22.9482

■ 30.7377, 23.8401,
27.7971

■ 33.8908, 28.7171,
33.2541

■ 37.5827, 34.5256,
39.3410

■ 41.8381, 41.3111,
46.0782

Harmonies

Analogous

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



21.1913, 10.8940, 20.5021



21.3870, 10.8940, 6.9368



18.0779, 10.8940, 1.6323

Triad

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



21.3870, 10.8940, 6.9368



5.4320, 10.8940, 1.3927



8.0618, 10.8940, 55.6510

Complementary

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



21.3870, 10.8940, 6.9368



20.6555, 36.3563, 22.1579

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.



5.2198, 10.8940, 38.7437



21.3870, 10.8940, 6.9368



4.0342, 10.8940, 6.0710

Square

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



21.3870, 10.8940, 6.9368



8.4502, 10.8940, 0.1829



3.9699, 10.8940, 18.6949



12.5252, 10.8940, 56.6281

Rectangle

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



21.3870, 10.8940, 6.9368



14.7683, 10.8940, 0.5483



3.9699, 10.8940, 18.6949



6.9213, 10.8940, 51.2840

Sweetspot

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



21.3873, 10.8947, 6.9370



61.1125, 51.5573, 59.7397



15.8956, 7.1712, 47.0005



12.9036, 10.4925, 12.2078



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.



21.3873, 10.8947, 6.9370



38.6552, 19.7021, 11.9934



20.5315, 11.0026, 1.0425



9.1426, 9.0674, 10.0985



14.4222, 7.3426, 4.8440



0.5390, 0.2711, 0.3316

Inverse Universe

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



21.3873, 10.8947, 6.9370



38.6552, 19.7021, 11.9934



22.1931, 30.2050, 51.1145



9.1426, 9.0674, 10.0985



14.4222, 7.3426, 4.8440



0.5390, 0.2711, 0.3316

Previews

White Background



This preview shows how the XYZ color 21.3870, 10.8940, 6.9368 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

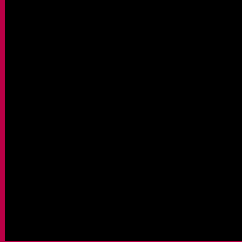
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3870, 10.8940, 6.9368

Background



This preview shows how black text looks on a background with the XYZ color 21.3870, 10.8940, 6.9368.



This preview shows how white text looks on a background with the XYZ color 21.3870, 10.8940,

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

21.3870, 10.8940, 6.9368

Protanopia

11.3102, 11.6168, 14.7429

Deuteranopia

11.7085, 11.4859, 6.3025



Tritanopia

20.6093, 11.2194, 2.0566

Trichromacy



Original Color

21.3870, 10.8940, 6.9368

Protanomaly

12.4497, 8.5936, 11.1278

Deuteranomaly

13.4809, 9.0822, 6.1968

Tritanomaly

20.6418, 10.9141, 3.2092

Monochromacy



Original Color

21.3870, 10.8940, 6.9368

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.9904, 5.1793, 5.8887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3870, 10.8940, 6.9368 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(186, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 71)  
}
```

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(186, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 21.3870, 10.8940, 6.9368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

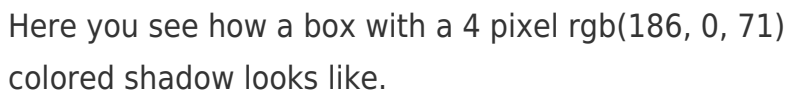
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 0, 71) }
```


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

```
.border{ border-color:rgb(186, 0, 71) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3870, 10.8940, 6.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 71) }
```

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

```
.background{ background-color: rgb(186, 0,  
71) }
```

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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