

Converting Colors

XYZ(21.4724, 10.8614, 10.4041)

Have a look what the booklet for
XYZ(21.4724, 10.8614, 10.4041)
contains.

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Color

**XYZ(21.5703, 10.9116,
10.4205)**

Conversions

Conversions Part 1

Format	Color
Hex	B80059
RGB	184, 0, 89
RGB Percent	72%, 0%, 35%
CMY	0.2784, 0.9999, 0.6510
CMYK	0.00, 1.00, 0.52, 0.28
HSL	331°, 100%, 36%
HSV	331°, 100%, 72%
XYZ	21.5703, 10.9116, 10.4205
YIQ	65.1620, 81.0950, 66.6870

Conversions

Conversions Part 2

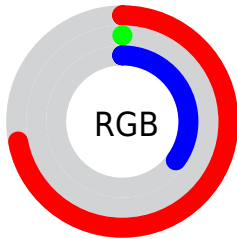
Format	Color
RYB	184, 0, 89
Decimal	12058713
CIELab	39.43, 66.06, 4.09
CIElCh	39, 66.182, 3.542
Yxy	10.9116, 0.5028, 0.2543
Android (android.graphics.Color)	4290248793 (0xFFB80059)
YUV	65.1620, 11.7521, 104.2209
Hunter-Lab	33.0327, 58.7529, 4.4193

Details

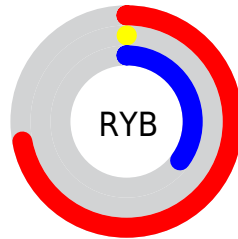
The XYZ color **21.5703, 10.9116, 10.4205** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.2078, 35.1078, 16.5980**, and the grayscale version is **5.0257, 5.2875, 5.7580**.

A 20% lighter version of the original color is **45.4096, 27.4631, 27.3336**, and **8.7668, 4.4669, 2.7830** is the 20% darker color. If you saturate the color by 10%, you get **21.5695, 10.9113, 10.4169**, and if you desaturate by 10%, it is **22.2188, 11.5284, 12.7341**.

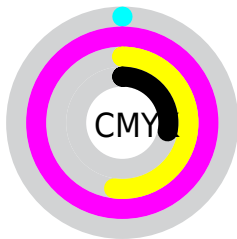
Distribution



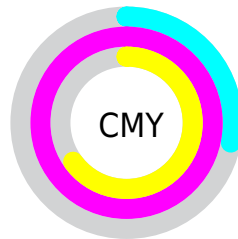
- Red (72%)
- Green (0%)
- Blue (35%)



- Red (72%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5703, 10.9116, 10.4205 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 21.5703, 10.9116, 10.4205 by changing the saturation by 10% instead.


 21.5703, 10.9116,
10.4205


 21.5703, 10.9116,
10.4205


252.9687,
197.0601, 204.2401


 13.6563, 6.0074,
5.5694


 45.5189, 27.4966,
27.2036


 7.9621, 2.8496,
2.5206

 62.2843, 39.9462,
39.9726

 4.1223, 1.0537,
0.8510

 82.7308, 55.6797,
56.2180

 1.7716, 0.0000,
0.0000

 107.2239, 75.0816,
76.3584

 0.5005, 0.0000,
0.0000

 136.1289, 98.5361,
100.8123

 0.0000, 0.0000,
0.0000

 169.8111,

126.4278, 129.9981

208.6360,
159.1410, 164.3346

■ 21.5703, 10.9116,
10.4205

■ 21.5703, 10.9116,
10.4205

■ 21.5695, 10.9113,
10.4169

■ 22.2188, 11.5284,
12.7341

■ 23.1304, 12.5858,
15.3985

■ 24.3849, 14.2410,
18.4493

■ 26.0225, 16.5713,
21.9080

■ 28.0771, 19.6421,
25.7938

■ 30.5787, 23.5111,
30.1245

■ 33.5546, 28.2302,
34.9164

■ 37.0295, 33.8469,
40.1849

■ 41.0266, 40.4050,
45.9444

Harmonies

Analogous

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



20.1583, 10.9116, 26.6200



21.5703, 10.9116, 10.4205



19.3404, 10.9116, 2.7957

Triad

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



21.5703, 10.9116, 10.4205



6.3008, 10.9116, 0.8965



6.9857, 10.9116, 50.5080

Complementary

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



21.5703, 10.9116, 10.4205



19.2078, 35.1078, 16.5980

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.



4.7187, 10.9116, 31.4027



21.5703, 10.9116, 10.4205



4.4107, 10.9116, 3.9278

Square

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



21.5703, 10.9116, 10.4205



9.8478, 10.9116, 0.1349



3.9283, 10.9116, 13.4717



10.9127, 10.9116, 57.4658

Rectangle

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



21.5703, 10.9116, 10.4205



16.3817, 10.9116, 1.0332



3.9283, 10.9116, 13.4717



6.0465, 10.9116, 44.8418

Sweetspot

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



21.5706, 10.9123, 10.4207



60.5252, 50.6917, 62.8238



13.0672, 5.7375, 45.7659



12.5425, 10.1225, 12.7418



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.



21.5706, 10.9123, 10.4207



38.9812, 19.7319, 18.2531



19.7676, 10.1910, 0.9261



9.1807, 9.0826, 10.2988



14.9011, 7.5342, 7.3660



0.5566, 0.2781, 0.4245

Inverse Universe

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



21.5706, 10.9123, 10.4207



38.9812, 19.7319, 18.2531



25.7925, 37.7417, 51.2726



9.1807, 9.0826, 10.2988



14.9011, 7.5342, 7.3660



0.5566, 0.2781, 0.4245

Previews

White Background



This preview shows how the XYZ color 21.5703, 10.9116, 10.4205 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 21.5703, 10.9116, 10.4205 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 21.5703, 10.9116, 10.4205

Background



This preview shows how black text looks on a background with the XYZ color 21.5703, 10.9116, 10.4205.



This preview shows how white text looks on a background with the XYZ color 21.5703, 10.9116,

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

21.5703, 10.9116, 10.4205

Protanopia

11.8029, 11.5688, 22.3798

Deuteranopia

11.7428, 11.5634, 9.3976



Tritanopia

20.1958, 11.2685, 2.7007

Trichromacy



Original Color

21.5703, 10.9116, 10.4205

Protanomaly

12.6792, 8.5842, 16.9082

Deuteranomaly

13.4807, 9.0864, 9.4308

Tritanomaly

20.5049, 10.9169, 4.6409

Monochromacy



Original Color

21.5703, 10.9116, 10.4205

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.2133, 5.2684, 7.0626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5703, 10.9116, 10.4205 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.5703, 10.9116, 10.4205 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, 89) }
```


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

```
.border{ border-color:rgb(184, 0, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5703, 10.9116, 10.4205 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, 89) }
```

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

```
.background{ background-color: rgb(184, 0,  
89) }
```

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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