

Converting Colors

XYZ(18.9218, 5.3598, 8.7817)

Have a look what the booklet for
XYZ(18.9218, 5.3598, 8.7817)
contains.

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Color

**XYZ(21.6873, 10.9862,
9.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	B90056
RGB	185, 0, 86
RGB Percent	73%, 0%, 34%
CMY	0.2745, 0.9999, 0.6627
CMYK	0.00, 1.00, 0.54, 0.27
HSL	332°, 100%, 36%
HSV	332°, 100%, 73%
XYZ	21.6873, 10.9862, 9.7816
YIQ	65.1190, 82.6540, 65.9660

Conversions

Conversions Part 2

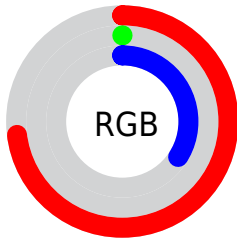
Format	Color
R_{YB}	185, 0, 86
Decimal	12124246
CIE Lab	39.56, 66.06, 6.21
CIE LCh	40, 66.355, 5.374
Yxy	10.9862, 0.5108, 0.2588
Android (android.graphics.Color)	4290314326 (0xFFB90056)
YUV	65.1190, 10.2943, 105.1356
Hunter-Lab	33.1454, 58.7893, 5.7046

Details

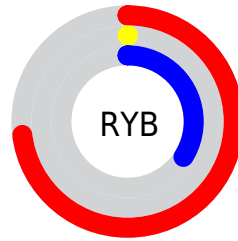
The XYZ color **21.6873, 10.9862, 9.7816** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.6030, 35.5995, 17.6509**, and the grayscale version is **5.0213, 5.2828, 5.7530**.

A 20% lighter version of the original color is **45.8242, 27.7099, 25.8550**, and **8.8577, 4.5201, 2.5034** is the 20% darker color. If you saturate the color by 10%, you get **21.6865, 10.9858, 9.7778**, and if you desaturate by 10%, it is **22.3394, 11.6071, 12.1057**.

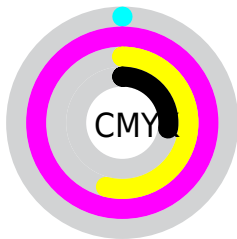
Distribution



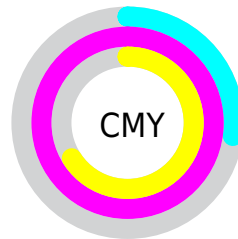
- Red (73%)
- Green (0%)
- Blue (34%)



- Red (73%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6873, 10.9862, 9.7816 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 21.6873, 10.9862, 9.7816 by changing the saturation by 10% instead.


 21.6873, 10.9862,
9.7816


 21.6873, 10.9862,
9.7816


253.5721,
197.5729, 199.5340


 13.7426, 6.0576,
5.1507


 45.7113, 27.6346,
25.9853


 8.0224, 2.8801,
2.2757


 62.5214, 40.1232,
38.3951


 4.1612, 1.0695,
0.7175

 83.0173, 55.9006,
54.2349

 1.7937, 0.0000,
0.0000

 107.5645, 75.3511,
73.9234

 0.5139, 0.0000,
0.0000

 136.5281, 98.8592,
97.8790

 0.0000, 0.0000,
0.0000

 170.2737,

126.8093, 126.5203

209.1666,
159.5857, 160.2658

■ 21.6873, 10.9862,
9.7816

■ 21.6873, 10.9862,
9.7816

■ 21.6865, 10.9858,
9.7778

■ 22.3394, 11.6071,
12.1057

■ 23.2614, 12.6760,
14.8029

■ 24.5344, 14.3517,
17.9104

■ 26.1991, 16.7125,
21.4510

■ 28.2901, 19.8250,
25.4455

■ 30.8382, 23.7475,
29.9128

■ 33.8709, 28.5328,
34.8703

■ 37.4137, 34.2290,
40.3346

■ 41.4901, 40.8807,
46.3212

Harmonies

Analogous

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



20.4871, 10.9862, 25.5984



21.6873, 10.9862, 9.7816



19.2392, 10.9862, 2.5706

Triad

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



21.6873, 10.9862, 9.7816



6.1800, 10.9862, 0.9857



7.2267, 10.9862, 51.7778

Complementary

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



21.6873, 10.9862, 9.7816



19.6030, 35.5995, 17.6509

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.



4.8430, 10.9862, 32.8962



21.6873, 10.9862, 9.7816



4.3721, 10.9862, 4.3058

Square

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



21.6873, 10.9862, 9.7816



9.6500, 10.9862, 0.1496



3.9649, 10.9862, 14.4447



11.2763, 10.9862, 57.7056

Rectangle

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



21.6873, 10.9862, 9.7816



16.1915, 10.9862, 0.9508



3.9649, 10.9862, 14.4447



6.2457, 10.9862, 46.2944

Sweetspot

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



21.6876, 10.9869, 9.7818



60.3648, 50.6276, 61.9794



13.8682, 6.1383, 46.3526



12.5045, 10.1073, 12.5418



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.



21.6876, 10.9869, 9.7818



38.7250, 19.6294, 16.9040



20.0750, 10.4489, 0.9597



9.1736, 9.0798, 10.2616



14.8027, 7.4948, 6.8479



0.5531, 0.2767, 0.4063

Inverse Universe

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



21.6876, 10.9869, 9.7818



38.7250, 19.6294, 16.9040



24.8442, 35.6767, 51.4756



9.1736, 9.0798, 10.2616



14.8027, 7.4948, 6.8479



0.5531, 0.2767, 0.4063

Previews

White Background



This preview shows how the XYZ color 21.6873, 10.9862, 9.7816 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

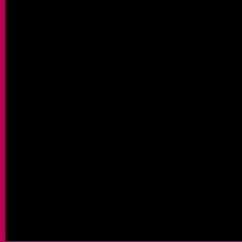
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6873, 10.9862, 9.7816

Background



This preview shows how black text looks on a background with the XYZ color 21.6873, 10.9862, 9.7816.



This preview shows how white text looks on a background with the XYZ color 21.6873, 10.9862,

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

21.6873, 10.9862, 9.7816

Protanopia

11.8184, 11.7398, 21.0451

Deuteranopia

11.7578, 11.5839, 8.8239



Tritanopia

20.3892, 11.3268, 2.6250

Trichromacy



Original Color

21.6873, 10.9862, 9.7816

Protanomaly

12.6535, 8.5904, 16.0301

Deuteranomaly

13.5304, 9.1253, 8.8328

Tritanomaly

20.6967, 11.0212, 4.4046

Monochromacy



Original Color

21.6873, 10.9862, 9.7816

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.3022, 5.3181, 6.8923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6873, 10.9862, 9.7816 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(185, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 86)  
}
```

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(185, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 21.6873, 10.9862, 9.7816 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(185, 0, 86) }
```


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

```
.border{ border-color:rgb(185, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6873, 10.9862, 9.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 86) }
```

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

```
.background{ background-color: rgb(185, 0,  
86) }
```

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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