

Converting Colors

XYZ(18.8862, 5.2995, 8.6349)

Have a look what the booklet for
XYZ(18.8862, 5.2995, 8.6349)
contains.

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Color

**XYZ(21.6473, 10.9702,
9.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	B90055
RGB	185, 0, 85
RGB Percent	73%, 0%, 33%
CMY	0.2745, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.54, 0.27
HSL	332°, 100%, 36%
HSV	332°, 100%, 73%
XYZ	21.6473, 10.9702, 9.5708
YIQ	65.0050, 82.9750, 65.6550

Conversions

Conversions Part 2

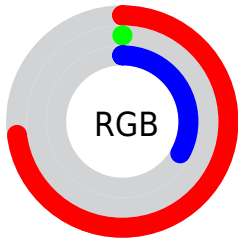
Format	Color
R_{YB}	185, 0, 85
Decimal	12124245
CIE Lab	39.53, 65.99, 6.82
CIE LCh	40, 66.342, 5.897
Yxy	10.9702, 0.5131, 0.2600
Android (android.graphics.Color)	4290314325 (0xFFB90055)
YUV	65.0050, 9.8575, 105.2356
Hunter-Lab	33.1213, 58.7012, 6.0523

Details

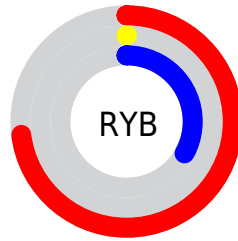
The XYZ color **21.6473, 10.9702, 9.5708** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.6512, 35.6188, 17.9045**, and the grayscale version is **5.0046, 5.2652, 5.7338**.

A 20% lighter version of the original color is **45.7541, 27.6819, 25.4859**, and **8.8577, 4.5201, 2.5034** is the 20% darker color. If you saturate the color by 10%, you get **21.6465, 10.9698, 9.5670**, and if you desaturate by 10%, it is **22.2982, 11.5906, 11.8889**.

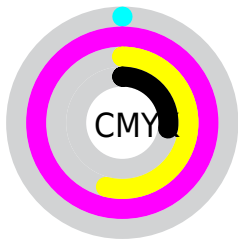
Distribution



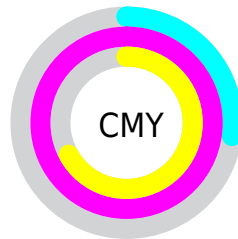
- Red (73%)
- Green (0%)
- Blue (33%)



- Red (73%)
- Yellow (0%)
- Blue (33%)



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





- Cyan (27%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6473, 10.9702, 9.5708 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 21.6473, 10.9702, 9.5708 by changing the saturation by 10% instead.


 21.6473, 10.9702,
9.5708


 21.6473, 10.9702,
9.5708


253.3659,
197.4630, 197.9530


 13.7131, 6.0468,
5.0135


 45.6456, 27.6050,
25.5801

 8.0018, 2.8736,
2.1963


 62.4404, 40.0853,
37.8691


 4.1479, 1.0661,
0.6722

 82.9194, 55.8533,
53.5725

 1.7861, 0.0000,
0.0000

 107.4481, 75.2934,
73.1087

 0.5093, 0.0000,
0.0000

 136.3917, 98.7900,
96.8963

 0.0000, 0.0000,
0.0000

 170.1157,

126.7276, 125.3539

208.9853,
159.4904, 158.8999

■ 21.6473, 10.9702,
9.5708

■ 21.6473, 10.9702,
9.5708

■ 21.6465, 10.9698,
9.5670

■ 22.2982, 11.5906,
11.8889

■ 23.2201, 12.6595,
14.5853

■ 24.4940, 14.3355,
17.6973

■ 26.1607, 16.6971,
21.2485

■ 28.2549, 19.8108,
25.2597

■ 30.8073, 23.7351,
29.7500

■ 33.8457, 28.5227,
34.7374

■ 37.3955, 34.2217,
40.2386

■ 41.4804, 40.8768,
46.2695

Harmonies

Analogous

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



20.5122, 10.9702, 25.2249



21.6473, 10.9702, 9.5708



19.1452, 10.9702, 2.4998

Triad

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



21.6473, 10.9702, 9.5708



6.1247, 10.9702, 1.0084



7.2719, 10.9702, 51.9693

Complementary

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



21.6473, 10.9702, 9.5708



19.6512, 35.6188, 17.9045

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.



4.8624, 10.9702, 33.2198



21.6473, 10.9702, 9.5708



4.3461, 10.9702, 4.4033

Square

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



21.6473, 10.9702, 9.5708



9.5612, 10.9702, 0.1513



3.9619, 10.9702, 14.6818



11.3433, 10.9702, 57.5793

Rectangle

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



21.6473, 10.9702, 9.5708



16.0826, 10.9702, 0.9244



3.9619, 10.9702, 14.6818



6.2820, 10.9702, 46.5583

Sweetspot

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



21.6476, 10.9709, 9.5710



60.3191, 50.6093, 61.7385



13.8682, 6.1383, 46.3527



12.4937, 10.1030, 12.4847



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.



21.6476, 10.9709, 9.5710



38.6538, 19.6010, 16.5291



20.0750, 10.4489, 0.9597



9.1716, 9.0790, 10.2510



14.7753, 7.4839, 6.7037



0.5522, 0.2763, 0.4011

Inverse Universe

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



21.6476, 10.9709, 9.5710



38.6538, 19.6010, 16.5291



24.8442, 35.6768, 51.4757



9.1716, 9.0790, 10.2510



14.7753, 7.4839, 6.7037



0.5522, 0.2763, 0.4011

Previews

White Background



This preview shows how the XYZ color 21.6473, 10.9702, 9.5708 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 21.6473, 10.9702, 9.5708

Background



This preview shows how black text looks on a background with the XYZ color 21.6473, 10.9702, 9.5708.



This preview shows how white text looks on a background with the XYZ color 21.6473, 10.9702,

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

21.6473, 10.9702, 9.5708

Protanopia

11.6919, 11.6892, 20.3789

Deuteranopia

11.7222, 11.5696, 8.6365



Tritanopia

20.3750, 11.3211, 2.5502

Trichromacy



Original Color

21.6473, 10.9702, 9.5708

Protanomaly

12.5446, 8.5468, 15.4565

Deuteranomaly

13.4932, 9.1104, 8.6367

Tritanomaly

20.6739, 11.0121, 4.2847

Monochromacy



Original Color

21.6473, 10.9702, 9.5708

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.2693, 5.3050, 6.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6473, 10.9702, 9.5708 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, 85)` looks like.

```
.text, #text, p{  
  color:rgb(185, 0, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 21.6473, 10.9702, 9.5708 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, 85) }
```


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

```
.border{ border-color:rgb(185, 0, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6473, 10.9702, 9.5708 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, 85) }
```

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

```
.background{ background-color: rgb(185, 0,  
85) }
```

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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