

Converting Colors

XYZ(21.4653, 10.7208, 16.5884)

Have a look what the booklet for
XYZ(21.4653, 10.7208, 16.5884)
contains.

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Color

**XYZ(21.5710, 10.7760,
16.5658)**

Conversions

Conversions Part 1

Format	Color
Hex	B30071
RGB	179, 0, 113
RGB Percent	70%, 0%, 44%
CMY	0.2980, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.37, 0.30
HSL	322°, 100%, 35%
HSV	322°, 100%, 70%
XYZ	21.5710, 10.7760, 16.5658
YIQ	66.4030, 70.4110, 73.0910

Conversions

Conversions Part 2

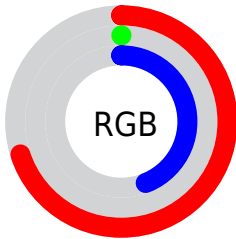
Format	Color
R_{YB}	179, 0, 113
Decimal	11731057
CIE _{Lab}	39.20, 67.05, -11.60
CIE _{LCh}	39, 68.048, 350.188
Yxy	10.7760, 0.4410, 0.2203
Android (android.graphics.Color)	4289921137 (0xFFB30071)
YUV	66.4030, 22.9723, 98.7476
Hunter-Lab	32.8268, 59.8481, -6.9415

Details

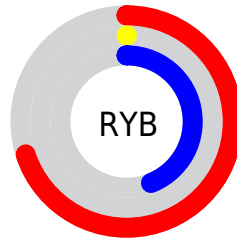
The XYZ color **21.5710, 10.7760, 16.5658** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.1047, 32.6340, 10.5566**, and the grayscale version is **5.2015, 5.4723, 5.9594**.

A 20% lighter version of the original color is **45.4814, 27.2538, 38.4607**, and **8.6999, 4.3747, 5.3869** is the 20% darker color. If you saturate the color by 10%, you get **21.5703, 10.7757, 16.5624**, and if you desaturate by 10%, it is **22.1715, 11.3605, 18.6669**.

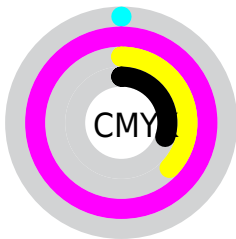
Distribution



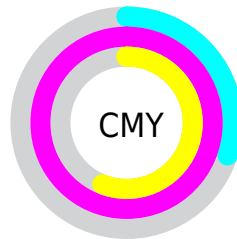
- Red (70%)
- Green (0%)
- Blue (44%)



- Red (70%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5710, 10.7760, 16.5658 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 21.5710, 10.7760, 16.5658 by changing the saturation by 10% instead.

■ 21.5710, 10.7760,
16.5658

■ 21.5710, 10.7760,
16.5658

252.9724,
196.1243, 244.6163

■ 13.6569, 5.9164,
9.7667

■ 45.5201, 27.2452,
38.3581

■ 7.9625, 2.7943,
5.1410

■ 62.2857, 39.6236,
54.1884

■ 4.1226, 1.0253,
2.2700

■ 82.7326, 55.2771,
73.8661

■ 1.7717, 0.0000,
0.7144

■ 107.2260, 74.5900,
97.8100

■ 0.5005, 0.0000,
0.0000

■ 136.1313, 97.9468,
126.4383

■ 0.0000, 0.0000,
0.0000

■ 169.8139,

125.7319, 160.1698

208.6391,
158.3295, 199.4230

■ 21.5710, 10.7760,
16.5658

■ 21.5710, 10.7760,
16.5658

■ 21.5703, 10.7757,
16.5624

■ 22.1715, 11.3605,
18.6669

■ 22.9951, 12.3468,
20.9784

■ 24.1171, 13.8851,
23.5282

■ 25.5738, 16.0468,
26.3308

■ 27.3959, 18.8927,
29.3992

■ 29.6105, 22.4762,
32.7447

■ 32.2421, 26.8454,
36.3779

■ 35.3130, 32.0443,
40.3086

■ 38.8440, 38.1137,
44.5460

Harmonies

Analogous

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



18.5842, 10.7760, 36.3494



21.5710, 10.7760, 16.5658



20.9022, 10.7760, 5.0146

Triad

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



21.5710, 10.7760, 16.5658



7.4990, 10.7760, 0.2601



5.5832, 10.7760, 43.6274

Complementary

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



21.5710, 10.7760, 16.5658



17.1047, 32.6340, 10.5566

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.



4.0102, 10.7760, 22.7381



21.5710, 10.7760, 16.5658



4.8663, 10.7760, 1.8704

Square

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



21.5710, 10.7760, 16.5658



11.8140, 10.7760, 0.0374



3.7941, 10.7760, 7.9458



8.8165, 10.7760, 58.1077

Rectangle

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



21.5710, 10.7760, 16.5658



18.5290, 10.7760, 1.8334



3.7941, 10.7760, 7.9458



4.8889, 10.7760, 36.6195

Sweetspot

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



21.5713, 10.7766, 16.5660



57.4785, 47.6330, 64.7979



10.3605, 4.4016, 42.9512



12.2822, 9.7986, 13.7435



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5713, 10.7766, 16.5660



38.5203, 19.2543, 29.0744



18.7544, 9.6499, 1.7325



8.7144, 8.5925, 9.9946



15.2749, 7.6275, 11.8733



0.5076, 0.2508, 0.5156

Inverse Universe

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



21.5713, 10.7766, 16.5660



38.5203, 19.2543, 29.0744



22.0484, 34.6115, 36.5894



8.7144, 8.5925, 9.9946



15.2749, 7.6275, 11.8733



0.5076, 0.2508, 0.5156

Previews

White Background



This preview shows how the XYZ color 21.5710, 10.7760, 16.5658 looks on a white background.

Color Contrast Check

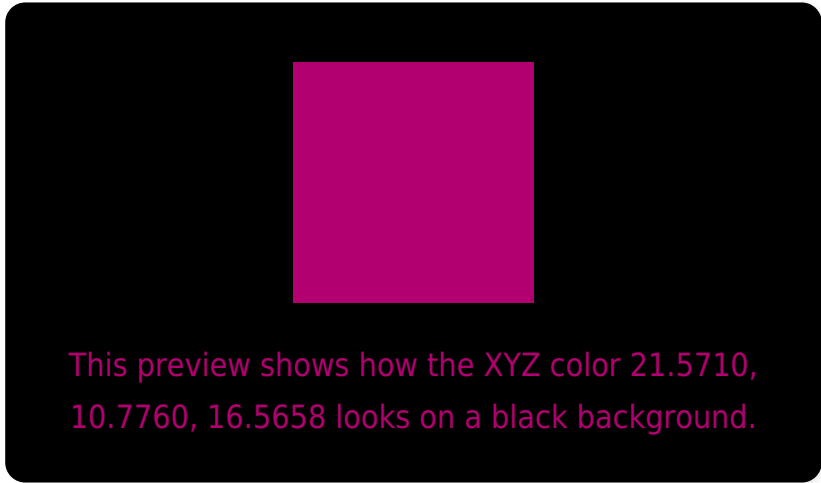
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5710, 10.7760, 16.5658

Background



This preview shows how black text looks on a background with the XYZ color 21.5710, 10.7760, 16.5658.



This preview shows how white text looks on a background with the XYZ color 21.5710, 10.7760,

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

21.5710, 10.7760, 16.5658

Protanopia

12.6159, 11.5612, 35.7490

Deuteranopia

11.5225, 11.3269, 14.9436



Tritanopia

19.1107, 11.1880, 3.7370

Trichromacy



Original Color

21.5710, 10.7760, 16.5658



Protanomaly

12.5419, 8.2057, 27.3084



Deuteranomaly

13.1728, 8.7998, 15.1916



Tritanomaly

19.4494, 10.5510, 6.8058

Monochromacy



Original Color

21.5710, 10.7760, 16.5658



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4527, 5.4063, 8.7816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5710, 10.7760, 16.5658 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(179, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 113)  
}
```

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(179, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 21.5710, 10.7760, 16.5658 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(179, 0, 113) }
```


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

```
.border{ border-color:rgb(179, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5710, 10.7760, 16.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 113) }
```

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

```
.background{ background-color: rgb(179, 0,  
113) }
```

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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