

Converting Colors

XYZ(10.7678, 5.0852, 21.5507)

Have a look what the booklet for
XYZ(10.7678, 5.0852, 21.5507)
contains.

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Color

**XYZ(10.7114, 5.0565,
21.5305)**

Conversions

Conversions Part 1

Format	Color
Hex	700082
RGB	112, 0, 130
RGB Percent	44%, 0%, 51%
CMY	0.5608, 1.0000, 0.4902
CMYK	0.14, 1.00, 0.00, 0.49
HSL	292°, 100%, 25%
HSV	292°, 100%, 51%
XYZ	10.7114, 5.0565, 21.5305
YIQ	48.3080, 25.0220, 64.1740

Conversions

Conversions Part 2

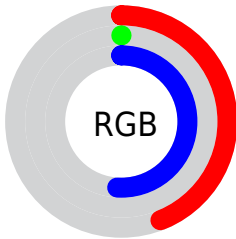
Format	Color
R_{YB}	112, 0, 130
Decimal	7340162
CIE _{Lab}	26.90, 56.62, -42.56
CIE _{LCh}	27, 70.832, 323.068
Yxy	5.0565, 0.2872, 0.1356
Android (android.graphics.Color)	4285530242 (0xFF700082)
YUV	48.3080, 40.2742, 55.8579
Hunter-Lab	22.4867, 45.6758, -41.0282

Details

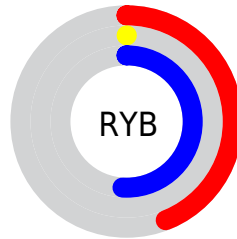
The XYZ color **10.7114, 5.0565, 21.5305** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.2323, 16.0940, 2.6728**, and the grayscale version is **2.7990, 2.9448, 3.2069**.

A 20% lighter version of the original color is **26.7162, 15.9324, 47.0146**, and **3.2516, 1.5090, 7.7093** is the 20% darker color. If you saturate the color by 10%, you get **10.7114, 5.0565, 21.5306**, and if you desaturate by 10%, it is **11.0869, 5.4639, 21.5894**.

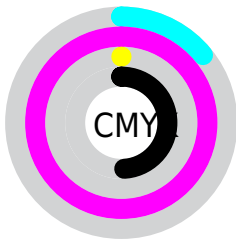
Distribution



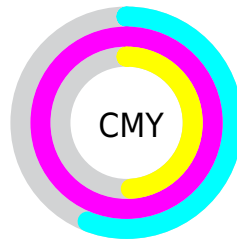
- Red (44%)
- Green (0%)
- Blue (51%)



- Red (44%)
- Yellow (0%)
- Blue (51%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)



- Cyan (56%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7114, 5.0565, 21.5305 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 10.7114, 5.0565, 21.5305 by changing the saturation by 10% instead.

10.7114, 5.0565,
21.5305

10.7114, 5.0565,
21.5305

189.6262,
150.3672, 272.9576

5.9390, 2.2805,
13.3173

26.7630, 15.9396,
46.8610

2.8483, 0.7633,
7.5141

38.7728, 24.8154,
64.8153

1.0741, 0.0000,
3.7024

53.9258, 36.4933,
86.8539

0.0032, 0.0000,
1.4635

72.5874, 51.3576,
113.3951


0.0000, 0.0000,
0.1905


95.1229, 69.7928,
144.8575


0.0000, 0.0000,
0.0000


121.8976, 92.1832,

181.6597

 153.2769,
118.9132, 224.2202

 10.7114, 5.0565,
21.5305

 10.7114, 5.0565,
21.5305


 10.7114, 5.0565,
21.5306

 11.0869, 5.4639,
21.5894

 11.5484, 6.0366,
21.6756

 12.1452, 6.8730,
21.8056

 12.8930, 8.0046,
21.9846

 13.8053, 9.4582,
22.2171

■ 14.8942, 11.2579,
22.5071

■ 16.1703, 13.4252,
22.8582

■ 17.6438, 15.9800,
23.2737

■ 19.3238, 18.9408,
23.7566

Harmonies

Analogous

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



7.3114, 5.0565, 36.6518



10.7114, 5.0565, 21.5305



12.6389, 5.0565, 7.6443

Triad

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



10.7114, 5.0565, 21.5305



5.5040, 5.0565, 0.0000



1.3049, 5.0565, 14.3208

Complementary

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



10.7114, 5.0565, 21.5305



8.2323, 16.0940, 2.6728

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.



1.1438, 5.0565, 3.8085



10.7114, 5.0565, 21.5305



2.9504, 5.0565, 0.0000

Square

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



10.7114, 5.0565, 21.5305



8.9477, 5.0565, 0.0000



1.6049, 5.0565, 0.2663



2.1925, 5.0565, 30.3017

Rectangle

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



10.7114, 5.0565, 21.5305



12.4443, 5.0565, 2.6476



1.6049, 5.0565, 0.2663



1.1836, 5.0565, 9.9128

Sweetspot

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



10.7116, 5.0567, 21.5306



28.3123, 23.3597, 40.2092



4.2709, 2.0948, 21.2984



6.2231, 4.9709, 9.0498



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.7116, 5.0567, 21.5306



18.7725, 8.8579, 37.9128



10.8260, 5.3940, 8.9616



4.4415, 4.3832, 5.4252



10.2748, 4.8505, 20.6447



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3152, 4.7897, 1.0061



16.3701, 8.4209, 1.5892



8.4662, 16.1587, 5.2066



4.3502, 4.3532, 4.6484



8.9334, 4.5931, 0.9732



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7114, 5.0565, 21.5305 looks on a white background.

Color Contrast Check

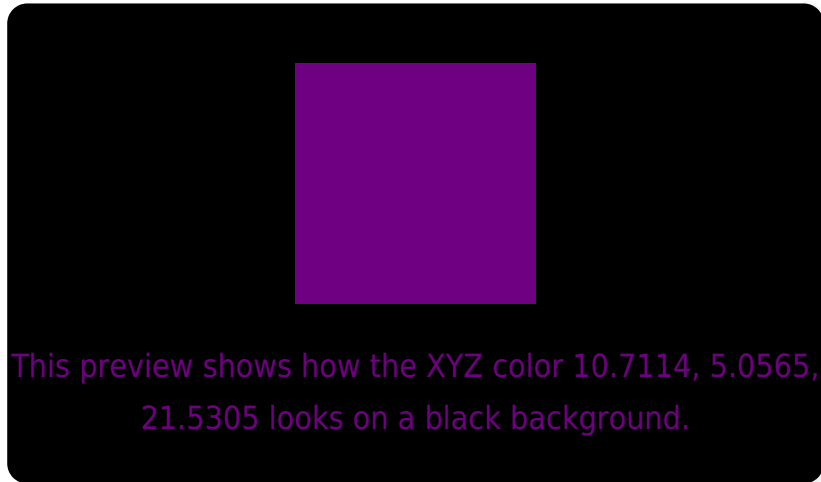
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

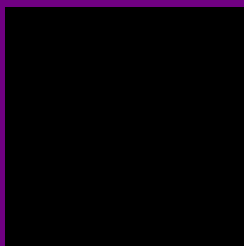
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7114, 5.0565, 21.5305

Background



This preview shows how black text looks on a background with the XYZ color 10.7114, 5.0565, 21.5305.



This preview shows how white text looks on a background with the XYZ color 10.7114, 5.0565,

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

10.7114, 5.0565, 21.5305

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.5183, 5.5147, 18.8628



Tritanopia

7.3529, 5.4683, 4.2824

Trichromacy



Original Color

10.7114, 5.0565, 21.5305

Protanomaly

6.0105, 3.7785, 22.9668

Deuteranomaly

5.4164, 3.6544, 19.4887

Tritanomaly

7.9834, 4.7064, 8.4703

Monochromacy



Original Color

10.7114, 5.0565, 21.5305

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.4637, 2.8696, 7.5264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7114, 5.0565, 21.5305 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(112, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 130)  
}
```

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(112, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 10.7114, 5.0565, 21.5305 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(112, 0, 130) }
```


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

```
.border{ border-color:rgb(112, 0, 130) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7114, 5.0565, 21.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 130) }
```

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

```
.background{ background-color: rgb(112, 0,  
130) }
```

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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