

Converting Colors

XYZ(21.7311, 10.4420, 35.3894)

Have a look what the booklet for
XYZ(21.7311, 10.4420, 35.3894)
contains.

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Color

**XYZ(21.7151, 10.4309,
35.5192)**

Conversions

Conversions Part 1

Format	Color
Hex	A300A3
RGB	163, 0, 163
RGB Percent	64%, 0%, 64%
CMY	0.3608, 0.9999, 0.3608
CMYK	0.00, 1.00, 0.00, 0.36
HSL	300°, 100%, 32%
HSV	300°, 100%, 64%
XYZ	21.7151, 10.4309, 35.5192
YIQ	67.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

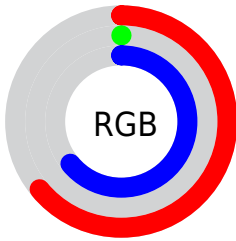
Format	Color
R_{YB}	163, 0, 163
Decimal	10682531
CIE _{Lab}	38.60, 70.30, -43.53
CIE _{LCh}	39, 82.685, 328.232
Yxy	10.4309, 0.3209, 0.1542
Android (android.graphics.Color)	4288872611 (0xFFA300A3)
YUV	67.3190, 47.1707, 83.9122
Hunter-Lab	32.2969, 63.4964, -42.5976

Details

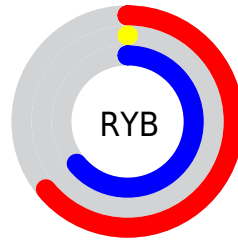
The XYZ color **21.7151, 10.4309, 35.5192** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.0977, 26.1949, 4.3664**, and the grayscale version is **5.3100, 5.5865, 6.0837**.

A 20% lighter version of the original color is **45.9277, 26.6787, 69.7467**, and **8.7583, 4.1900, 15.0990** is the 20% darker color. If you saturate the color by 10%, you get **21.7153, 10.4310, 35.5193**, and if you desaturate by 10%, it is **21.9054, 10.8111, 35.5827**.

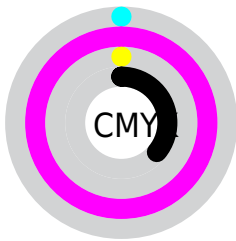
Distribution



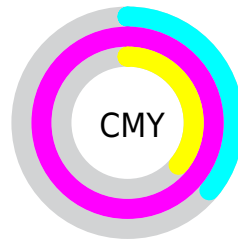
- Red (64%)
- Green (0%)
- Blue (64%)



- Red (64%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7151, 10.4309, 35.5192 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 21.7151, 10.4309, 35.5192 by changing the saturation by 10% instead.


 21.7151, 10.4309,
35.5192

 21.7151, 10.4309,
35.5192


253.7152,
193.7204, 341.8278


 13.7631, 5.6856,
23.7763


 45.7570, 26.6029,
69.4500

 8.0367, 2.6549,
14.9571


 62.5777, 38.7983,
92.4750


 4.1704, 0.9543,
8.6430


 83.0854, 54.2460,
120.0978

 1.7990, 0.0000,
4.4155

 107.6453, 73.3302,
152.7370

 0.5171, 0.0000,
1.8559

 136.6229, 96.4353,
190.8110

 0.0000, 0.0000,
0.4645

 170.3835,

 0.0000, 0.0000,

123.9458, 234.7384

0.0000

209.2925,
156.2460, 284.9379

■ 21.7151, 10.4309,
35.5192

■ 21.7151, 10.4309,
35.5192

■ 21.7153, 10.4310,
35.5193

■ 21.9054, 10.8111,
35.5827

■ 22.2487, 11.4977,
35.6972

■ 22.8103, 12.6208,
35.8844

■ 23.6182, 14.2368,
36.1537

■ 24.6965, 16.3933,
36.5132

■ 26.0661, 19.1326,
36.9698

■ 27.7461, 22.4926,
37.5298

■ 29.7539, 26.5081,
38.1991

■ 32.1055, 31.2113,
38.9830

Harmonies

Analogous

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



15.7239, 10.4309, 63.3839



21.7151, 10.4309, 35.5192



24.4544, 10.4309, 12.3057

Triad

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



21.7151, 10.4309, 35.5192



10.2400, 10.4309, 0.0000



3.2639, 10.4309, 32.2088

Complementary

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



21.7151, 10.4309, 35.5192



13.0977, 26.1949, 4.3664

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.



2.7084, 10.4309, 10.4593



21.7151, 10.4309, 35.5192



5.7474, 10.4309, 0.0000

Square

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



21.7151, 10.4309, 35.5192



16.4954, 10.4309, 0.0000



3.4199, 10.4309, 1.7648



5.3680, 10.4309, 60.5240

Rectangle

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



21.7151, 10.4309, 35.5192



23.5181, 10.4309, 4.3320



3.4199, 10.4309, 1.7648



2.9332, 10.4309, 23.5283

Sweetspot

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



21.7155, 10.4314, 35.5194



49.5043, 39.9094, 67.1501



6.6114, 2.6449, 34.8128



10.8347, 8.3960, 14.9870



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7155, 10.4314, 35.5194



38.8900, 18.6809, 63.6117



16.6090, 8.3888, 8.6290



7.3644, 7.2022, 8.9051



16.8767, 8.1067, 27.6048



0.3546, 0.1703, 0.5800

Inverse Universe

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



21.7155, 10.4314, 35.5194



38.8900, 18.6809, 63.6117



14.6020, 26.7966, 12.2878



7.3644, 7.2022, 8.9051



16.8767, 8.1067, 27.6048



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 21.7151, 10.4309, 35.5192 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

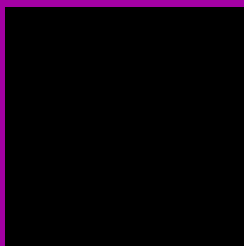
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7151, 10.4309, 35.5192

Background



This preview shows how black text looks on a background with the XYZ color 21.7151, 10.4309, 35.5192.



This preview shows how white text looks on a background with the XYZ color 21.7151, 10.4309,

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

21.7151, 10.4309, 35.5192

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.3834, 11.1461, 31.6884



Tritanopia

16.0137, 10.8565, 6.7203

Trichromacy



Original Color

21.7151, 10.4309, 35.5192



Protanomaly

11.6072, 7.1923, 44.4925



Deuteranomaly

12.4210, 8.0989, 32.8069



Tritanomaly

17.1457, 9.7332, 13.8070

Monochromacy



Original Color

21.7151, 10.4309, 35.5192



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7416, 5.5118, 13.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7151, 10.4309, 35.5192 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(163, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 163)  
}
```

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(163, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.7151, 10.4309, 35.5192 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(163, 0, 163) }
```


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

```
.border{ border-color:rgb(163, 0, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7151, 10.4309, 35.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 163) }
```

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

```
.background{ background-color: rgb(163, 0,  
163) }
```

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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